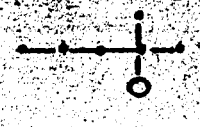
00002784

aus: Amid [1]
aus: 4:4.2-methyl-octanon-(5) durch Oxydation mit HNO_3 [3]

METHYL(2)PENTAN-CARBONSÄURE(2)

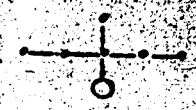


K.P.: 199-200° [1]
101-102°/11mm [1]
K.P. 105-108°/14mm [3]
200-205° [2]

Amid

F.P. 95-96°

1) Haller, Bauer, C.r.148,129
2) Tafel, Emmert, Z.El.Ch.17,571
3) Meerwein, A 419,141



aus: Nitril [1]
aus: Methyldiaethylacetophenon über das Amid [2]
aus: Grignard [3]

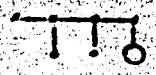
K.P. 207-208°/753mm [1]
K.P. 203-204° [2]

Amid
F.P. 78-79° [2]
F.P. 78,5° [3]

1) Schdanow, A.185,120
2) Haller, Bauer, C.r.148,129
3) Drake, Kline, Rose, C1935$_1$,692

aus Grignard

DIMETHYL(2,3)-BUTAN-CARBON-SÄURE (1)



	K.P. 109/14mm 1)
D_4^{25}: 0,921 1)	
Aethylester	
K.P. 165°/760mm 1)	
D_4^{25}: 0,869	

1) Levene u.Marker, C 1936_1, 1834

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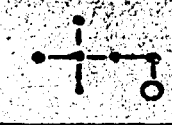
aus: Trimethyltetrolsäure durch Reduktion [1]

DIMETHYL(3,3)-BUTAN-CARBONSÄURE (1)

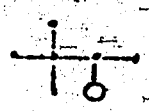


F.P. -1° bis +3° [1]	K.P. 211-214° (korr.)[1]
D^0 (überschmolzen): 0,9238 [1] D^{20} : 0,9129 [1]	
	Amid F.P. 140-141° [1]

1) Moureu, Delange, C.r.136,554
Bl.29,665

aus 3,4,4-Trimethylpentanon-2 [1]

DIMETHYL(3,3)BUTAN-CARBONSÄURE (2)

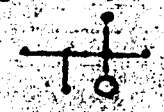


F.P. 24,5° [1]	K.P. 103-104°/20mm [1]
	n_D^{25}: 1,4182 [1]
Methylester K.P. 46°/18mm [1]	**Amid** F.P. 106° [1]

1) Drake, Kline, Rose C1935$_1$,692.

aus: Dimethylisopropylacetophenon [1]
aus: Mg-Verb.des 3-Chlor-2.2-dimethyl-butan + CO_2 [3]
durch Hydrierung des ungesättigten Laktons [4]

DIMETHYL(2,3)-BUTAN-CARBONSÄURE (2)



F.P. 50° [1] F.P. 45-47° [5]	K.P. 104-105°/13mm [1] K.P. 106°/15mm [3]
	Amid F.P. 133-134° [1] F.P. 128° [5]

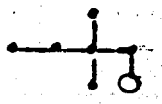
Sonstiges: Methylester (Bromderivat)
K.P. 130°/10mm [2]

1) Haller, Bauer, C.r.149,6
2) Courtot, Bl.35,300
3) Richard, A.Ch.21,353
4) Jacobs u.Scott, $C1932_1$,678
5) Whitmore, Langhlin, $C1933_2$,3828

00002790

aus: Camphersäure 1)
aus: 4,4-Dimethylhexanon-2 3)

DIMETHYL(2,2)-BUTAN-CARBON-SÄURE(1)



K.P. 209-210° 1)
K.P. 103-104°/13mm 3)

Methylester
K.P. 49-50°/17mm 3)

Amid
F.P. 76,5° 3)

Aethylester
K.P. 124°/13mm 2)
K.P. 119°/10mm 2)

1) Crossley, Perkin jun., Soc. 73,18,35
2) Blanc, C.r. 142,997
Bl. 3,291
3) Drake, Kline, Rose, C 1935_1,691

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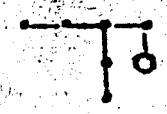
00002791

AETHYL(2)BUTAN-CARBONSÄURE-(1)

aus: $(C_2H_5)_2CH \cdot CH(CO_2H)_2$ durch Destillation [1]
im Bakuer Erdöl [3]
im kaukasischen Erdöl [4]
aus Butanon-(2) durch Aldehydkondensation usw. [5]



	K.P. 212° [1]
	Amid F.P. 127,5° [2]

Sonstiges: Aethylester des Bromderivats
K.P. 165°/25 mm [1]

1) Fichter, Kiefer, Bernoulli B.42,4713.
2) Bayer u.Co., C1910$_2$,254
Frdl. 10,1162.
3) Tschitschibabin, C1930$_2$,2854.
4) Tschitschibabin, C1933$_1$,3389.
5) Powell, Baldwin, C1937$_1$,846.

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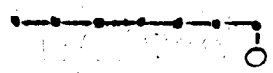
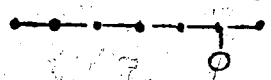
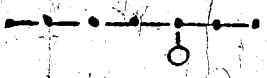
aus: 4,5-Diaethyloctandiol-(4,5) [1]

$C_7H_{14}O_2$

Sonstiges: Konstitution unbekannt.

1) Goldberger, Tandler, M 26, 1484.

$C_8H_{16}O_2$

1. 
2. 
3. 
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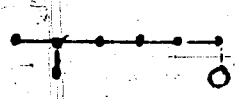
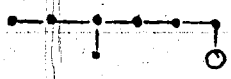
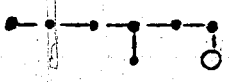
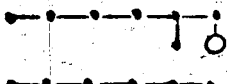
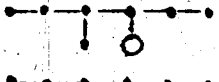
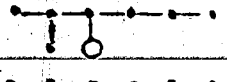
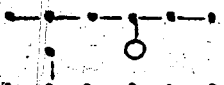
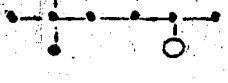
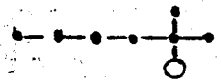
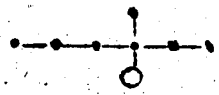
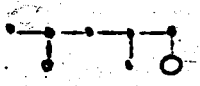
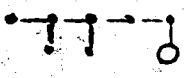
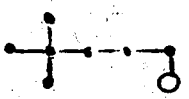
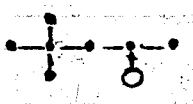
5. 
6. 
7. 
8. 
9. 
10. 
11. 
12. 
13. 
14. 
15. 
16. 
17. 
18. 
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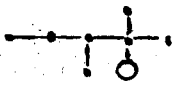
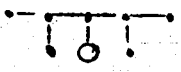
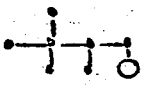
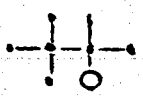
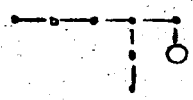
20. 
21. 
22. 
23. 
24. 
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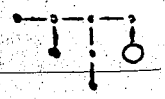
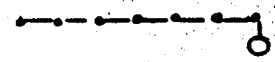
26. 

27. $C_8H_{16}O_2$ aus Harzessenz
28. $C_8H_{16}O_2$ aus C-oxyden
29. $C_8H_{16}O_2$ aus Veilchen
30. $C_8H_{16}O_2$ aus ß,ɣ,ɣ Trimethylvaleraldehyd

HEPTAN-CARBONSÄURE (1)



F.P.: 16-16,5° 1)
16° 2)

K.P.: 237,5° 3)
236-237°/761,7 mm 1)
123,5-124,3°/10 mm 4)

D: D°: 0,9270 5)
D15°: 0,917 2)
D15 15°: 0,91275 6)
D20°: 0,9139 7)
D 4 20°: 0,9100 4)
D 25 25°: 0,90826 6)

n_D20°: 1,4285 4)
n_D25°: 1,42635 2)
n_α21,0°: 1,42439)
n_D21,0°: 1,42677) 15)
n_β21,0°: 1,43194)

Methylester
F.P.: -40° - -41° 8)
K.P.: 192-194° 9)
192,9° 10)
95°/25 mm 11)
83°/15 mm 8)
D 0 °: 0,8942 10)
D18°: 0,887 9)

Nitril.
K.P.: 194-195° 12)
198-200° 13)
D13,3°: 0,8201 12)

Äthylester
erst b. -47° - -48° 9)
K.P.: 207-208°/753,1 mm 1)
205,8° 10)
D 0 °: 0,8842 10)
D0°: 0,8871 1)
D16°: 0,8730 1)
D17°: 0,878 9)

Amid
F.P.: 110° 14)
105-106° 13)
105° 16)

1) v.Renesse, A 171, 380
2) Stephan, J.pr. 62, 528
3) Kahlbaum, Ph.ch.13, 42
4) Schey, R 18, 184
5) Zander, A. 224, 71
6) Perkin, Soc.45, 485
7) Zincke A,152, 9
8) Haller, C.r. 143, 805
9) Cahours, Bl.34, 481
10) Gartenmeister, A. 233, 286
11) Guerin, Bl. 29, 1120
12) Felletár, J. 1868, 634
13) Hofmann, B. 17, 1410
14) Felletár 1868, 624
15) Eisenlohr, Ph.Ch. 75, 590
16) Robertson, Soc.115 1220.

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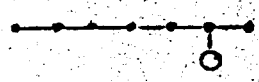
HEPTAN-CARBONSÄURE (2)

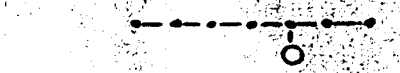


aus Methyl-amyl-malonsäure [1]

K.P.: 221,5°-226° [1]
121-122°/13 mm [1]

1) P.Karrer, C 1931 I, 469.

HEPTAN-CARBONSÄURE (3)



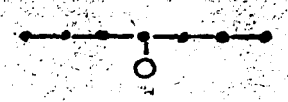
aus d. Aldehyd[1]
" Äthyl-butylmalonsäure[2]
" " [4]

	K.P.: 225°[1] 220-224°[3] 222°/750 mm[4] 131°/18 mm[4] 121-122°/20 mm[5] 122-124°/10 mm[6]
D: D25°:0,909[5]	n_D19°:1,4263[4]
Methylester. K.P.: 82°/24 mm[8]	
Äthylester. K.P.: 90°/28 mm[7] n_D25°:1,4123[7] $D_4$25°:0,8586 (Vakuum)[7]	Amid. F.P.: 101-102°[2] 101-102°[3] [8]

Sonstiges: S.a. DRP. 503 009 (R.Wietzel)

1) Raupenstrauch, M.8, 115
2) Raper, Soc. 91, 1837
3) Tiffeneau, C 1923$_1$, 1123
4) Dolique, C 1931$_2$, 2858
5) Levene, J.biol.Ch. 84, 571
6) v.Braun, B 67, 1696
7) Levene, J.biol.Ch.115, 401
8) Weizmann, C 1937$_2$, 2517.

HEPTAN-CARBONSÄURE (4)



aus Dipropylacetessigester[1]
" Dipropylmalonsäure[2]
" " [3]
" " [8]

F.P.: flüssig

K.P.: 219,5°[1]
221-222°[3]
220°/760 mm[7]
140°/36 mm[7]
218°[8]

D: D40°: 0,9215[1]

Nitril
K.P.: 183-184°[4]

Äthylester
K.P.: 183°[1]
183°[8]
76-78°/13 mm[9]

Amid
F.P.: 123°-124°[5]
123°[6]
123°[7]

Sonstiges: Molekulare Verbrennungswärme[10]

1) Burton, Am.3, 389
2) Fürth, M.9, 319
3) Kalischew, C 1914$_2$, 1261
4) Höring, C 1907$_2$, 1030
5) Errera, G.26$_2$, 245
6) E.Fischer, B.35, 853
7) Billon, C 1927$_2$, 1475
8) Koller, M.58, 213
9) Krollpfeiffer B. 69, 465.
10) Stohmann, J.pr. 49, 108.

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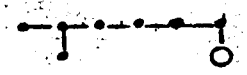
METHYL(5)-HEXAN-CARBONSÄURE(1)



aus Isohexylmalonsäure[2]

F.P.: erstarrt bei 0°[2]

K.P.: 232°/762 mm[2]
126-127°/14mm[2]

Nitril
K.P.: 194°[3]

Äthylester
K.P.: 200,3°[2]
201-203°[4]

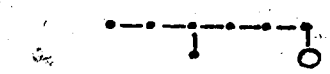
Amid
F.P.: 114°[2]

Sonstiges: Bromderivate[1]
Oxyd.+H_2O_2 in schwach saurer Lösung:Aceton[2]

1) Fittig, A. 255, 105
2) Levene, J.biol.Ch. 27, 452
3) Clarke, Soc. 103, 1699
4) Nelson, J.am.chem.Soc. 45, 2179.

00002799

METHYL(4)-HEXAN-CARBONSÄURE(1)



aus 1 Brom-4-methylhexan[1)]

K.P.: 128°/20 mm[1)]

D: $D_4^{26°}$: 0,893[1)]

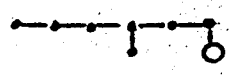
Äthylester (dextro)
K.P.: 95°/25 mm[2)]
D_4:23°: 0,865[2)]

1) Levene, J.biol.Chem.95, 153

2) Levene, " " " 103, 299.

00002300

METHYL(3)-HEXAN-CARBONSÄURE(1)



aus 1-Brom-3-methylhexan (Grignard, CO_2)[1]

K.P.: 132°/22 mm[1] dextro

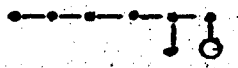
D: $D_4^{24°}$: 0,882[1]

Äthylester
K.P.: 104°/32 mm[1]
$D_4^{24°}$: 0,859[1]

1) Levene, J.biol.Chem. 95, 1.

00002801

METHYL(2)-HEXAN-CARBONSÄURE(1)

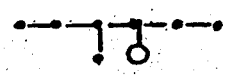


	K.P.: 131°/19 mm[2]
D: D_4^{27}:0,905[1] D_4^{23}:0,909[2]	$n_D^{25°}$:1,4259[2]
	Nitril K.P.: 120°/85 mm[2] $n_D^{25°}$:1,4196[2] $D_4^{23°}$:0,811[2]
Äthylester K.P.: 104°/35 mm[2] $n_D^{25°}$:1,4162[2] $D_4^{24°}$:0,862[2]	

1) Levene, J.biol.Chem. 95, 1
2) " " " " 91, 77.

aus Äthyl-sec.Butylmalonsäure[1)]

METHYL(4)-HEXAN-CARBONSÄURE(3)



F.P.: 217-220°[1)]

Methylester
K.P.: 168-170°/76°$_{mm}$[1)]

Amid
F.P.: 114-115° [1)]

Anilinid
F.P.: 108-109° [1)]

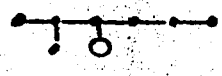
Sonstiges: S.a. C 1937$_1$, 4094 Kondakora

1) Katznelsson, C 1935$_1$, 2521.

00002803

aus Propyl-isopropylessigsäureamid[1)]

METHYL(5)-HEXAN-CARBONSÄURE(4)



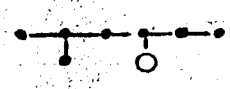
K.P.: 112-113°/9 mm[1)]
116°/12 mm[1)]

D: D17°:0,9076 [1)]

Amid
F.P.: 131-133° [1)]

1) E.Fischer, B 45, 256.

METHYL(5)-HEXAN-CARBONSÄURE(3)



aus Äthylisobutylacetessigester[1]
" " [3]

F.P.: flüssig[1]

K.P.: 219-220°/729 mm[1]
115°/20 mm[2]
213-219°/746 mm[3]

D: D15°:0,906 [1]

Äthylester
K.P.: 178°/747 mm

Amid
F.P.: 89° [2]
88° [3]

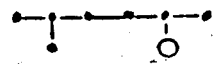
1) Guye, Bl. 13, 183

2) Tiffencau C 1923_1, 1123

3) Curtius, C 1930_2, 54.

00002805

METHYL(5)-HEXAN-CARBONSÄURE(2)



aus 2,5-Dimethylhexanol[1]
" Isoamylbromid + Methylmalonsäurediäthylester[2]

F.P.: bei -17° flüssig[1]

K.P.: 218-220°/767 mm[1]
228-230°/760 mm[2]
127-130°/18 mm[3]
120-130°/15 mm[3]

D: $D_0^{0°}$:0,926[1]
$D_4^{20°}$:0,911[1]
$D_4^{30°}$:0,903[1]
$D_4^{100°}$:0,846[1]
$D^{0°}$:0,887[2]

Methylester
K.P.: 172-173° [2]

Äthylester
K.P.: 175°[1]

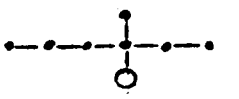
Amid
F.P.: 99-100° [2]
103° [3]

1) Carleton-Williams, Soc. 35, 128
2) Barbier, C.r. 156, 1445
3) Sommaire, C. 1923_1, 1124

00002806

aus Methyl-äthyl-propylacetamid[1])

METHYL(3)-HEXAN-CARBONSÄURE(3)

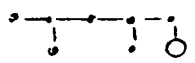


F.P.: flüssig (äther.Geruch)	K.P.: 215-220° [1])
	Amid F.P.: 46° [1]) K.P.: 134-135°/12 mm [1]) F.P.: 42-43° [2])

1) Haller, C.r. 148, 130
2) " A.Ch. 1, 15.

00002807

DIMETHYL(2,4)-PENTAN-CARBONSÄURE(1)



aus ß,ϑ-Dimethylhydrosorbinsäure + HBr.[1]
" dextro[2]

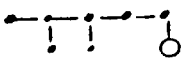
F.P.: flüssig	K.P.: 118,5-119,5° [1] 124°/20 mm [2] dextro 91°/1 mm (-)[3]
D: $D_4^{30°}$: 0,899 [2] $D_4^{25°}$: 0,9012 (korr.) [3]	

Äthylester
K.P.: 85°/20 mm [1]
$D_4^{30°}$: 0,856 [1]

1) Rupe, A. 369, 330
2) Levene, J.biol.Chem. 28, 1
3) " " " " 111, 2[illegible].

00002808

DIMETHYL(3,4)-PENTAN-CARBONSÄURE(1)



aus Camphersäure[1]

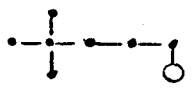
F.P.: Öl.	K.P.: 230-232°/750 mm[1] 92°/1 mm[2]
D: $D_4^{25°}$: 0,912[2]	$n_D^{25°}$: 1,4278[2]

Sonstiges: Oxyd. + $KMnO_4$ = Bernsteinsäure und 1-Methylglutarsäure.

1) Crossley, Soc. 73, 19
2) Levene, J.biol.Chem. 111, 299.

00002809

DIMETHYL(4,4)-PENTAN-CARBONSÄURE(1)



aus Halogenverbindungen + Alkylcyanid[1])

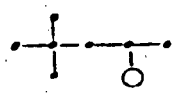
F.P.: 38° [1])	K.P.: 130°/20 mm[1])

1) Whitmore, A.P. 2032 159.

00002810

DIMETHYL(4,4)-PENTAN-CARBONSÄURE(2)

Oxydation von Isodibutol[1]
aus 2,4,4-Trimethylvaleraldehyd[2]



F.P.: flüssig	K.P.: ~ 215°(etwas zers.) [1]

1) Butlerow, A.189, 70
2) Bataafsche: F.P. 703 100. A.Pr.3.2.33.

00002811

DIMETHYL(2,4)-PENTAN-CARBONSÄURE(2)

aus 2,4,4-Trimethylhexanon [1]

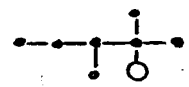
K.P.: 114°/14 mm [1]

Amid:
F.P.: 71° [1]

1) Locquin, C.r. 179, 55.

00002812

DIMETHYL(2,3)-PENTAN-CARBONSÄURE(2)



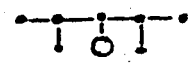
aus α,α,β-Trimethylangelicalacton [1]

1) Jacobs, J.biol.Chem. 93, 139.

00002813

DIMETHYL(2,4)-PENTAN-CARBONSÄURE(3)

aus Diisopropylmalonsäure[1]
" Diisopropylcyanessigsäure[2]



K.P.: 214°/760 mm[1]
108-110°/12 mm[2]

D: D20°:0,9106[1]

n_D20°:1,429[1]

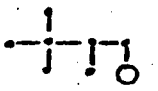
Äthylester
K.P.: 65°/12 mm[1]

Amid
F.P.: 149°[2]

1) Marshall, J.chem.Soc.Lond, 1930, 2754
2) v.Braun, B. 66, 101.

00002814

TRIMETHYL(2,3,3)-BUTAN-CARBONSÄURE(1)



aus d. Aldehyd. m. Tollens-Lösung[1)]

K.P.: 124-124,5°/19 mm[1)]

D: $D_4^{25°}$:0,9199[1)]

$n_D^{25°}$:1,4309[1)]

Amid
F.P.: 163-164° 1)

1) Stevens, J. am.chem.Soc. 57, 1112.

00002815

TRIMETHYL(2,3,3)-BUTAN-CARBONSÄURE(2)

aus 3-Chlor-2,2,3-Trimethylbutan[1]
" Pennon[2],[3]

F.P.: 80° 1)
200° 2) ?
~80° (sublim.)[3]

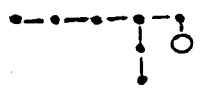
K.P.: 120°/15 mm[1]
168-170° (zers.)[3]

Äthylester
K.P.: 168-169° 2)

Amid
F.P.: ~ 200° (sublim.)[3]

1) Richard, A.Ch. 21, 356
2) Locquin, C.r. 178, 1179
3) " C.1924$_2$, 1456.

ÄTHYL(2)-PENTAN-CARBONSÄURE(1)



aus Äthylmalonsäurediäthylester[1), 2)]
" Äthylpropyläthyl-bromid[3)]

K.P.: 228-229°/755 mm[1)]
106°/5 mm dextro[2)]
158-159°/79 mm[2)]

D: $D_4^{30°}$:0,911 dextro[2)]

$n_D^{25°}$: 1,4287(dextro)[2)]

Äthylester
K.P.: 189-191°/766 mm[1)]
$D_4^{20°}$:0,8628[1)]
$n_D^{20°}$:1,4128[1)]
K.P.: 80°/9 mm[2)] dextro
$D_4^{30°}$:0,866[2)] dextro
$n_D^{25°}$:1,4183[2)]

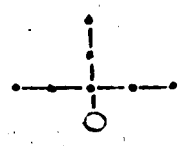
1) Levene, J.biol.Chem., 54, 351
2) " , " " " , 91, 687
3) " , " " " ,115, 401.

00002817

ÄTHYL(3)-PENTAN-CARBONSÄURE(3)

Triäthylacetamid[1]

aus 3,3-Diäthyl-hexanon(4) (Oxyd.)[2]



F.P.: 39,5° 1)
38° 2)

K.P.: 220-222° 1)
119°/14 mm 1)
121-122°/16 mm 2)

D: $D_4^{40,3}$: 0,9119 2)

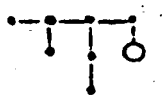
n: $n_D^{40,3}$: 1,42778 2)

Amid:
F.P.: 108° 1)
K.P.: 148-149°/20 mm 1)

1) Haller, C.r. 148, 130
2) Meerwein, A. 419, 153.

00002818

METHYL(3)-ÄTHYL(2)-BUTTERSÄURE(1)



Sonstiges: α-Brom-ß-isopropyl-valeriansäure-äthylester; Blanc, Bl. 3, 296.

$C_8H_{16}O_2$

aus Harzessenz[1)]

	Amid: F.P.: 84-85° 1)

1) Lwow, B. 20, 1023.

$C_8H_{16}O_2$

Sonstiges: Druckhydrierung d. C-Oxyde ; R.Wietzel DRP. 441 272.

$C_8H_{16}O_2$

aus Veilchenblätteröl[1])

1) Ruzicka, C 1935_1, 3799.

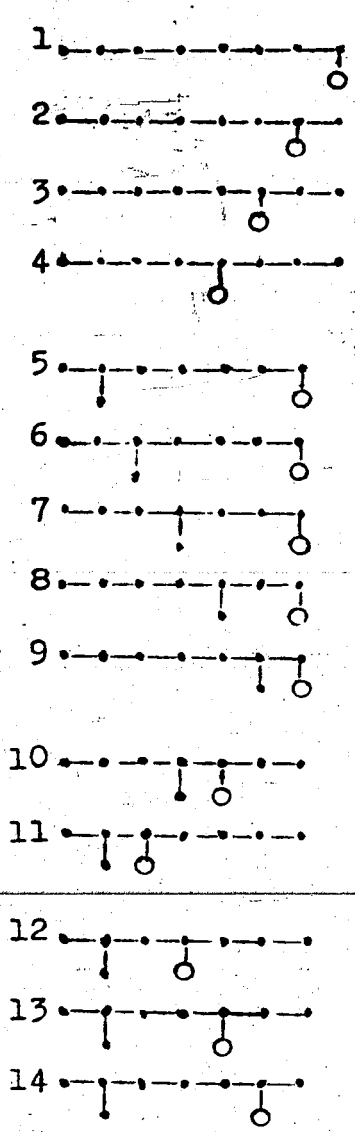
aus ß,ß,ß'-Trimethylvaleraldehyd[1]

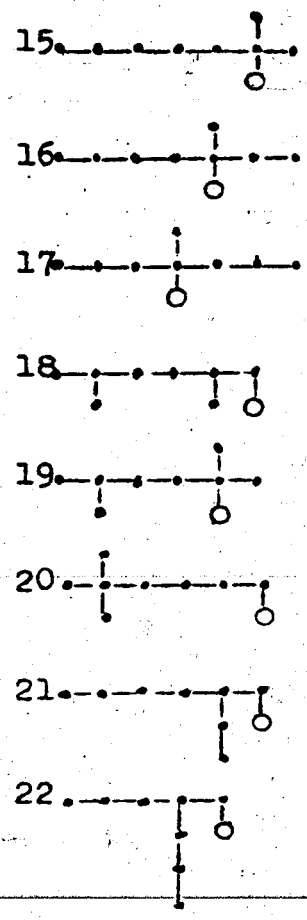
$C_8H_{16}O_2$

	Amid: F.P.: 163-164° 1)

1) Stevens, J.am.chem.Soc. 56, 1425.

$C_9H_{18}O_2$





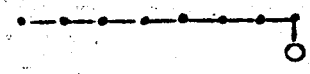
23 $C_9H_{18}O_2$ aus Camphersäure

24 $C_9H_{18}O_2$ aus Harz

25 $C_9H_{18}O_2$ (Isopelargonsäure)

00002824

OKTAN-CARBONSÄURE (1)



F.P.: 12.5°[1]

K.P.: 253-54°/760mm[1]
252-53°/759mm[2]
186°/100 mm
b.verschied.Drucken[3]

$D_4^{12,5°}$: 0,9109[1] $D_4^{17,5°}$: 0,9068[1] $D_4^{99,3°}$: 0,8433[1] $D_4^{14,5°}$: 0,9100[4] $D_4^{83,5°}$: 0,8559[4]
$D^{15°}$: 0,9088[2] $D^{17,5°}$: 0,9073[2] $D^{17,5°}$: 0,9065[5]

n_D: 1,43057[2]
$n_\alpha^{14,5}$: 1,43302[4]
$n_\beta^{14,5}$: 1,44065[4]

Methylester
K.P. 213-14°/756,8mm[5]
$D^{17,5°}$: 0,8765[5]
$D_0^{0°}$: 0,8918[6]

Nitril
K.P. 214-216°[8]
$D^{16°}$: 0,7868[8]

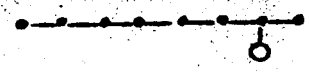
Äthylester
K.P.: 227-228°/756,92mm[5]
216°[7]

Amid
F.P.: 99°[9]
92-93°[10]
99°[11]

1) Krafft B.15,1692
2) Walbaum B.33,2304
3) Kahlbaum Ph.Ch.13,43
4) Eijkmann R.12,165
5) Zincke A.164,335
6) Gartenmeister A.233.290
7) Brown Soc.83,994
8) Eichler B.12,1888
9) Hofmann B.15,984
10) Schalfejew B.6,1252
11) Robertson Soc.115,1220

OKTAN-CARBONSÄUREN(2)

aus 2 Methyl-octannitril(1)[1]



F.P.: erstarrt nicht b. -11°[1]

K.P.: 244-246°/760mm[1]
135-150°/46mm[2]
136°/17mm[3]

D_4^0: 0,9098[3]
D 18°: 0,9032[1]

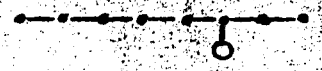
Nitril
K.P.: 206°[4]
D 14°: 0,8187

Äthylester
K.P.: 213-215°/760mm[1]
99°/13mm[3]
D_4^{00}: 0,8759[3]
D 17°: 0,8640[1]

Amid
F.P.: 80-81°[1] vgl. A. 176, 308

1) Kullheim A. 173, 319
2) Chapman Soc. 83, 509
3) Boureault Bl. 31, 740
4) Felletar Z. 1868, 665

OKTANCARBONSÄURE()

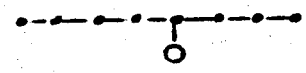


aus Aethylbutyläthylbromid[1]
Darst.[2]

	K.P.:232-238°/750mm[2]
	Amid F.P.:96°[2]

1) Levene J.biol.Ch.115,401 = C 1937,1658
2) Volwiler J.Am.Chem.Soc.58,1352 (C.1937$_1$,4494

OKTAN-CARBONSÄURE(4)

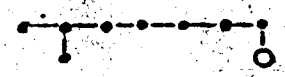


aus d.entspr.Malonsre[1]

D: D^{0}_{4}: 0,914[1]	
	Amid F,P.: 122-123°[1]

1) Sommaire C.1923 I, 1123

METHYL(6)-HEPTAN-CARBONSÄURE(1)



aus 6-Methyl-heptandicarbonsre(1,1)[1]

F.P.:erstarrt bei 0°	K.P.:248°/765mm[1]) 140.5°/15mm[1])
Äthylester K.P.:220,5°/764mm[1])	Amid F.P.:106,5°[1])

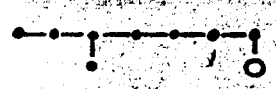
Oxyd.+H_2O_2 in schwach saurer Lsg.: Aceton

1) Levene J.biol.Ch.27,447

00002829

METHYL(5)-HEPTAN-CARBONSÄURE(1)

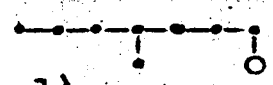
aus 4 Methyl-1 Bromhexan[1]



	K.P.: 139°/20mm[1]
D: $d_4^{25°}$: 0,899[1]	
Äthylester K.P.: 110°/25mm[2] $D_4^{24°}$: 0,868	

1) Levene J.biol.Ch.95,153 (C.1932 2,41)
2) Levene J.biol.Ch.103,299 = C.1934 1,2267

METHYL(4)-HEPTAN-CARBONSÄURE(1)



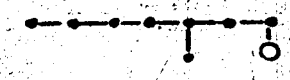
aus Na-äthylmalonester + 1Br.-3 methylhexan[1)]

	K.P.: 127°/5mm [1)]
$D_4^{25°}$: 0,901 [1)]	
Äthylester K.P.: 112°/30mm [2)] $D_4^{22°}$: 0,865	

1) Levene J.biol.Ch. 95,153 (C. 1932$_2$,41)
2) Levene J.biol.Ch. 103,299 = C. 1934$_1$,2267

09002831

METHYL(3)-HEPTAN-CARBONSÄURE(1)

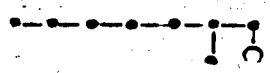


aus 1-Brom-3 Methylheptan(Grignard)[1]

	K.P.: 149°/22mm[1]
D: $D_4^{25°}$:0,871[1]	
Äthylester K.P.:112°/23mm[1] $D_4^{25°}$:0,861[1]	

1) Levene J.biol.Ch.95,1(C.1932$_1$,2450)

METHYL(2)-HEPTAN-CARBONSÄURE(1)



aus sek.Heptylmalonsre[1)3)]

F.P.:flüssig[1)]

K.P.:232o1)
135°/16mm[2)]

D:$D_4^{23°}$:0,899[2)]
$D_4^{27°}$:0,896[3)]

n:$n_D^{25°}$:1,4298[2)]

Nitril
K.P.:135°/85mm[2)]
$D_4^{23°}$:0,813[2)]
$n_D^{25°}$:1,4239[2)]

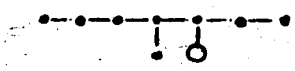
Äthylester
K.P.:117°/35mm[2)]
$D_4^{23°}$:0,860[2)]
$n_D^{25°}$:1,4200[2)]

Mol.Verbr.wärme[4)]

1) Venable B.13,1652
2) Levene J.biol.Ch.91,77
3) Levene J.biol.Ch.95,1(C.1932$_1$,2451)
4) Strohmann J.pr.49,108

00002833

METHYL(4)-HEPTAN-CARBONSÄURE(3)

aus Äthylmethylpropylcarbinylmalonester[1]) 

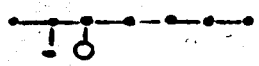
	K.P.: 230-32°[1])
D: D_{25}^{25}: 0,9087[1])	n: $n_D^{25°}$: 1,43015[1])
Äthylester K.P.: 197-98°[1]) $D_{25}^{25°}$: 0,8671[1]) $n_D^{25°}$: 1,41885[1])	

1) Cope J.Am.Chem.Soc. 54, 4319 (C. 1933$_1$, 1112)

00002834

METHYL(6)-HEPTAN-CARBONSÄURE (5)

aus Isoprop.n-butyl-Malonsre[1)2)]



K.P.: 220-225°[1)]
232-234°[2)]

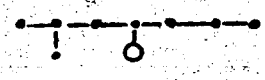
Amid
F.P.: 93°[1)]
126°[2)]

1) Snell Jones J.Am.Chem.Soc.London 127,2588
2) Knoll D.R.P. 494.520

00002835

METHYL(6)-HEPTAN-CARBONSÄURE(4)

aus Propylisobutylmalonsäure[1)]

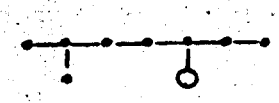


	K.P.: 122°/8,5 mm d,l 125-127°/12mm d,l 100°/0,5mm d.
D: D20°: 0,8928[1)] d,l D22°: 0,8876[1)] d	

1) E.Fischer B.45,253

METHYL(6)-HEPTAN-CARBONSÄURE(3)

aus d.entspr.Malonsäure[1)]
" Acetyl-isoamyl-malonester[2) 3)]

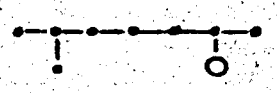


	K.P.: 228-232°[1)]
Äthylester K.P.: 197-198°[2)] $D_{25}^{25°}$: 0,8560[2)] n_D^{25}: 1,4148[1)]	Amid F.P.: 106-108°[1)3)] 109-110°[2)]

1) Tiffeneau C.1923$_1$,1123
2) Cope J.A.C.S.54,4319 (C.1933$_1$,1112)
3) Volwiler J.Am.Chem.Soc. 58,1352 (C.1937$_1$,4494)

METHYL(6)-HEPTAN-CARBONSÄURE(2)

aus 2,6-Dimethylheptanol(7)[1]
" Methylisohexylmalonsäure[2]
" Dihydrocitronellsäure[3]



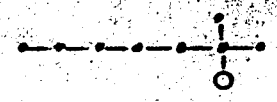
	K.P.: 127-130°/13mm[1] 135-137°/14mm[2] inact. 136-142°/14mm act.[2] 127-129°/10mm[3]
D: $D_4^{20°}$: 0,8975[1] $D_4^{20°}$: 0,8932[2]	n: $n_D^{19°}$: 1,4287[1]
	Amid F.P.: 99-100°[2] inact. 75- 77°[2] l 78- 80°[2] 84-86°[2]

Sonstiges: Molrefr. ber. 45,30[1]
gef. 4536

1) v.Braun B.62,235
2)
3) Peak,Rolins J.Am.Chem.Soc.1937,1591

METHYL(2)-HEPTAN-CARBONSÄURE(2)

aus 6,6 Dimethyloctanon [1)2)]



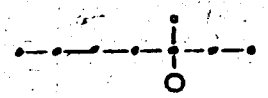
	K.P.: 130°/12mm [1)]
	Amid F.P.: 101-102° [1)] 102,5-103,5° [2)]

1) Locquin C.1924$_2$, 614 = B.r.178, 2095
2) Grignard F.Whitmore J.Am. Chem. Soc. 1559 (C.1933$_1$, 3918)

00002839

METHYL(3)-HEPTAN-CARBONSÄURE(3)

aus Malonestersynthese [1)2)]



	K.P.: 225-230°[1)] 225-230°/755mm[2)]
	Amid F.P.: 97-98°[1)2)]

1) Volwiler A.P.1,969,828
2) " J.Am.Chem.Soc. 58,1352 (C.1937$_1$, 4494

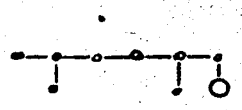
METHYL(4)-HEPTAN-CARBONSÄURE(4)

aus -Methyl- ; dipropylaceton[1]
" acetophenon[2]

F.P.: 44°[1] 43-44°[2]	K.P.: 118-122°/14mm[1]
Äthylester K.P.: 90-92°/18mm[2]	

1) Meerwein A.419,141,143
2) Leroide C.1922 ,1335

DIMETHYL (2.5)-HEXAN-CARBONSÄURE (1)

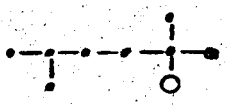


	K.P.: 140°/25mm[1]
D: $D_4^{20°}$: 0,901	
Äthylester K.P.: 112°/30mm[1] $D_4^{25°}$: 0,862[1]	

1) Levene J.biol.Ch. 95,1 C. 1937$_1$, 2451

00002842

DIMETHYL(2,5)-HEXAN-CARBONSÄURE(2)

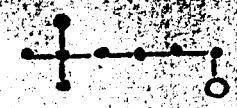


aus α,α,d-Trimethylcapronsäure-amid[1)]

F.P.: erstarrt bei -15°noch nicht[1)]	K.P.: 127°/16mm[1)]
	Amid F.P.: 123°[1)]

1) Haller,Cornubert C.r.158,304

DIMETHYL(5,5)-HEXAN-CARBONSÄURE(1)



aus 4,4-Dimethyl-1-brompentan[1])

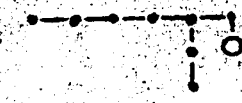
F.P.: 13°[1])	K.P.: 145°/20mm[1])

1) Mallinckrodt (Whitmore) A.P.2.032.159

00002844

ÄTHYL(2)-HEXAN-CARBONSÄURE(1)

aus 3-Bromheptan (Malonestersynth.)[1]
2-äthylhexanol(1)[2]



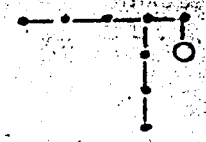
	K.P.: 130°/12mm[1] 236°/760mm[2]
$D_4^{22°}$: 0,908[1]	
Äthylester K.P.: 107°/25mm[1] $D_4^{22°}$: 0,866[1]	

1) Levene J.biol.Ch.91,687
2) Powell J.Am.Chem.Soc.58,1871

00002845

PROPYL(2)-PENTAN-CARBONSÄURE(1)

aus Isoheptylmalonsäurediäthylester[1)]



	K.P.: 144°

Sonstiges: Dibromverbb.[2)]

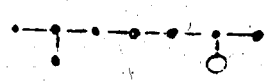
1) Kon J.Chem.Soc.London 1927,1549
2) Reformatski J.Russ.Phys./chem.Ges. 22,61

$C_9H_{16}O_2$

aus Camphersäure[1)]

	K.P.: 240-242°

Sonstiges: Wahrscheinl.



1) Crossley Soc. 73, 21

00002847

$C_9H_{18}O_2$

aus Harzessenz[1])

Amid
F.P.: 77-78°

1) Lwow B.20,1023

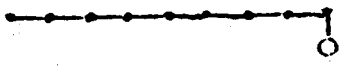
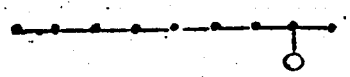
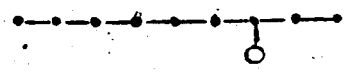
$C_9H_{18}O_2$ (Isopelargonsäure)

aus d.Öl d.Mesopledon bidens[1])

F.P.: 4°[1])	

1) André C.1927$_1$,910; C.r.183,1063

$C_{10}H_{20}O_2$

1. 
2. 
3. 
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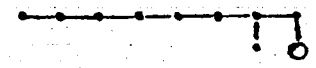
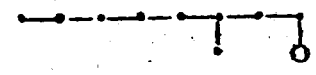
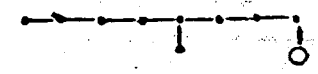
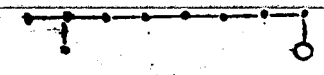
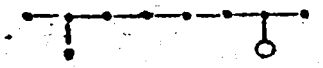
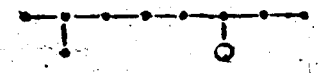
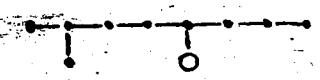
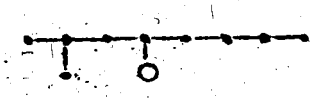
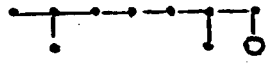
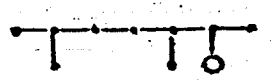
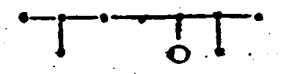
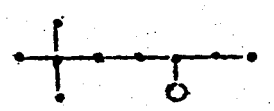
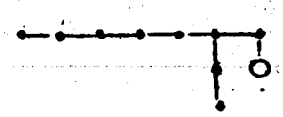
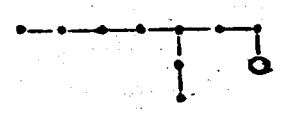
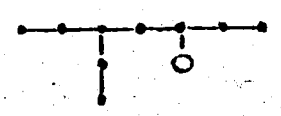
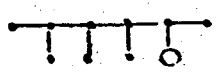
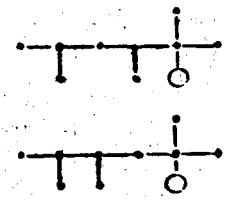
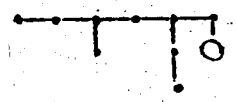
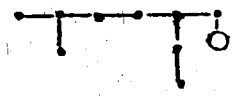
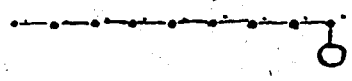
5. 
6. 
7. 
8. 
9. 
10. 
11. 
12. 
13. 
14. 
15. 
16. 
17. 
18. 
19. 
20. 
21. 
22. 
23. 
24. 
25. $C_{10}H_{20}O_2$ aus Tetrahydrospilanthol
26. $C_{10}H_{20}O_2$ aus $C_{10}H_{18}O_2$ (aus Capsaicin)

NONAN-CARBONSÄURE(1)



aus Dekanol(1)+$KMnO_4$[1]
aus Dekanal(1)+Ag_2O[2]

F.P. 30°[8]
31°[9]
31°[2]
31,3°[10]
31,3-31,4°[11]

K.P. 138-139°/4mm[3]
160-164°/12mm[4]
170°/25mm[5]
199,5-200°/100mm[6]
267-269°/753mm[2]
268,4 korr.[2]

D: $d_4^{30°}$: 0.895
$d^{37°}$: 0.889
$d_4^{40°}$: 0.8858

$n_D^{30°}$: 1,43078[2]
$n_D^{40°}$: 1,42855[1]

Methylester
F.P. -18°
K.P. 223-224°;114°/15mm[12]

Nitril
F.P. -17,9°[10]
K.P. 235-237°[13];234,7[10]

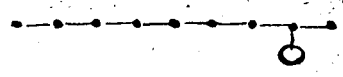
Äthylester
F.P. -20,3°[14]: -19,9[10]
K.P. 243-245°:104°/4mm[3]:244,9[10]
$n_D^{15°}$: 1,42542
$d_4^{0°}$: 0,88156[10]
$d_4^{15°}$: 0,86920
$d^{28°}$: 0,859[3]
d: 0,862[14]

Amid
F.P. 98°[15]:98°[16]:108°[13]

Sonstiges: Molekulare Verbrennungswärme 1458,3 Kal.[17]
Veresterungskonstante: 18)
Viskosität: 50° = 0.0434:90° = 0,0288 g/cm/sek.[19]
Abbauprodukte: Bei Oxydation des Ammon- od.Na-Salzes mit H_2O_2 → Methyl-n-heptylketon[20]

1) Schulte B.42,3612
2) Stephan J.Br.62,525
3) Langlais C.1924$_2$,1475
4) Haller Cr.150,1015
5) Bagard Bl.1, 348
6) Krafft B 15, 1708
7) Kahlbaum Ph.Ch.13,44
8) Görgey A.66, 290
9) von Braun B.44, 1471
10) Deffet Chem.Abstr.1932,353
11) Krafft B 15,1696
12) Grimm A 157, 269
13) Ehestädt Diss.Freiburg 1886,23
14) A.Fischer A 118,114
15) Asano C 1922$_1$,1227
16) A.W.Hofmann B 15,984
17) Stohman J.pr.49,107
18) Sudborough Soc.93,214
19) Soc.105,786
20) Dakin J.Am.Chem.Soc.44,46

Nonan-carbonsäure(2)



Schmelzen v.2-Methylnonanol(1)+Kali(250°)[3]

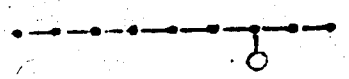
F.F.	K.P.145-147°/4mm[1] 115°/1mm[2] 261-265°korr.[3]
D:D^{25}: 0.893 d[1] D^{20}: 0.895 l[2] D: 0.9127[3]	$[\alpha]D^{25°}$: -13,15°l $[\alpha]D^{25°}$: + 9,16°d ± 8,34° ohne Lsgm. $[M]D^{25°}$: +27,3 ohne Lsgm.
n: n_D^{25}: 1,4312 l[2]	
Methylester	Nitril: K.P.85-94°7d D^{25}: +14,47°(A) $D^{25°}$:13,61°l) $D^{25°}$: 0,809
Aethylester[4] M $D^{25°}$: +17,36° ohne Lsgm. K.P.: 122-124°17mm d^{25}: 0.856	Amid F.P.: 78°(d) D^{25c}: +7,07°(95%ig A) 76°3)

Abbauprodukte: Mit Chromsäuregemisch: CO_2-Essigsäure, Önanthsäure, Caprylsäure, Methylheptylketon[3]

1) l und d Levene Mikeska C.1930_1,1459
2) Levene Marker C.1933_1,1277
3) Guerbet, C.r.135,174
4) Levene C.1933_2,2118

aus Äthylhexylmalonsäure [1])

NONAN-CARBONSÄURE (3)



K.P. 252-255° [1])

D: d 25° : 0,8905 (dl) [1])

Methylester

K.P. 213-215° (korr.) [1])

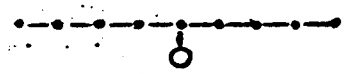
Äthylester

K.P. 221-223° (korr.) [1])

D: d 25° : 0,8580

[1]) Dox J. Am.Chem.Soc. 47, 3008

NONAN-CARBONSÄURE (5)



aus Dibutylmalonsäure [1]

K.P. 255° (korr.) [1]
153°/16 mm [1]
139-140/16 mm [2]
144°/14 mm [3]
149°/15 mm [4]
108-110°/2 mm [5]

D: d 16°: 0,899 [1]
d_4 18,4°: 0,8978 [2]

n_D 17,4° : 1,43448 [4]
1,4345 [4]

Äthylester [1]

K.P. 114-115°/15 mm (korr.)
110 /16 mm [3]
218 /752 mm [4]
110 /18 mm [4]

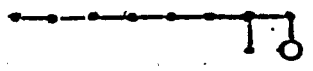
D: d_4 21,5°: 0,8590
n_D 21,5°: 1,4218

Amid [4]

F.P. 134,5° (korr.)
sublimiert bei 100-110°

1) Levene, Cretcher J.Biol.Chem. 33, 508
2) Hess, A.441, 151
3) Billon C. 1927 2,1476
4) Dolique C. 1931 2, 2858
5) Chargaff C. 1935 1, 2024

METHYL(2)-OKTAN-CARBONSÄURE(1)



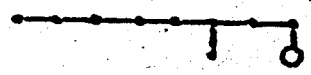
	K.P. 133°/26 mm [1] 133°/ 8 mm [2]
D: $d_4^{26°}$: 0,899	
$n_D^{25°}$: 1,4339	$[\alpha]_D^{26°}$: + 0,78°
	[M] d 26°: + 1,32° (ohne Lösungsm.)

Äthylester [1]
K.P. 135°/36 mm
$d_4^{25°}$: 0,862
$n_D^{25°}$: 1,4232
$[\alpha]_D$ d 25°: + 0,38°
[M] d 25°: + 0,75° (ohne Lösungsm.)

1) Levene, Marker, C 1931$_2$, 3322
J.Biol.Chem. 91, 77

2) Levene, C.A. 1931, 3627

METHYL(3)-OKTAN-CARBONSÄURE(1) [1]



	K.P. 147-148°/12 mm 156°, l. /22 mm [2] 156° /22 mm [3]
D: $d_4^{20°}$: 0,9012 $d_4^{25°}$: 0,871 [3]	
$n_D^{20°}$: 1,4342	$[\alpha]_D^{25°}$: -0,60° M d: berechn.= -1,9° (beob.) = -1,01° M d 25°: -1,03° ohne Lösungsm.

Äthylester
K.P. 115°, 120° 22 mm
$d_4^{20°}$: 0,8653; $d_4^{25°}$: 0,862
$n_D^{20°}$: 1,4240
[α]D d 25°: -0,12° [3]
M d 25°: -0,23° (ohne Lösungsm.) [3]

1) Levene, Taylor, J.Biol.Chem. 54, 351
2) Levene, C 1932$_2$, 41
3) " , C 1932$_1$, 2450

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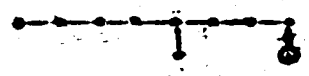
METHYL(4)-OKTAN-CARBONSÄURE(1)



aus Na-malonester + 1-Br-3-methylheptan [1]

	K.P. 130°/3 mm [1]
D: $d_4^{25°}$: 0,897	
	[α] 25°: -0,50° [M] d 25°: (beob.) = -0,86 berechn. -1,6°
	Nitril [2] K.P. 96-102°/12 mm $d_4^{25°}$: 0,8187 (im Vakuum) $n_D^{25°}$: 1,4290
Äthylester [3] K.P. 125°/25 mm 1 $d_4^{24°}$: 0,862 1 [α] d 24°: 0,73° 1 [M] d 24°: -2,84° 1	

1) Levene, C $\underline{1932}_2$, 41
2) " , J.Biol.Chem. $\underline{115}$, 265
3) " , $\underline{1934}_1$, 2267.

METHYL (7) - OKTAN-CARBONSÄURE (1)

aus 7-Methyl-Octan-Dicarbonsäure (1,1)[1])

erstarrt bei Zimmertemperatur [1])	K.P. 155,6°/16 mm [1]) 150° /15-16 mm [2]) (korr.)

1) Levene, Allen J.Biol.Chem 27,454
2) Nelson J.Am.Chem Soc. 45, 2179

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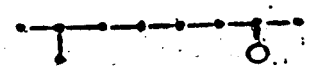
METHYL (7) -OCTAN - CARBONSÄURE (2)



aus Menthonoxim + KOH [1]
aus Menthan bei Belichtung [2]

K.P. 249-251° [1]
249-252° [2]
114-117°/ 2 mm [3]

D: $d_{4}^{20°}$ 0,905
0,90747

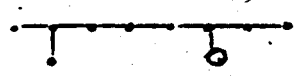
n_D : 1,4373

Amid [1]
F.P. 108-109° [3] (schwach rechtsdrehend)
93,5° [3]

Anilid [3]
F.P. 93°

1) Wallach, A.296, 126
2) Ciamician, B. 40, 2420
3) Kondo, B. 69, 2459

METHYL(7)-OKTAN-CARBONSÄURE (3)



K.P. 119° - 4 mm [1])

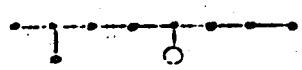
D: $d_4^{20°}$: 0,90649

Amid
F.P. 88°

Anilid
F.P. 67°

[1]) Kondo, B. 69, 2459.

METHYL(7)-OKTAN-CARBONSÄURE (4)



	K.P.238-245° [1] 117-119°/4 mm [2]
D: d 0°: 0,908 [1] $d_4^{20°}$: 0,905996 [2]	
	Amid F.P. 117-118° [1] 118° [2]

[1] Ch. Sommaire, Bull. 33, 189(C 1923. 1, 1124)
[2] Kondo, B.69, 2459.

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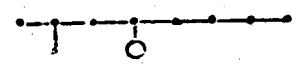
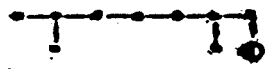
METHYL(7)-OKTAN-CARBONSÄURE(5)



	K.P.145-145,5°/10 mm [1]
D: d 21,5°: 0,8927	
	$[\alpha]_d$22°: + 5,73° [1]

[1]) E.Fischer, Holzapfel, B. 45, 250.

DIMETHYL(2,6)-HEPTAN-CARBONSÄURE(1)

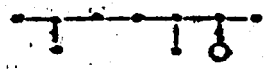


inaktive: aus Geraniumsäure [1]
aktiv : " Menthon [2]
d-Form : " d-Citronellsäure [1]

	K.P. 133-134°/10 mm inakt. 133° / 9 mm d 133-137°/13 mm inakt. [3] 138-139°/14 mm [4] 113-115°/0,55 mm [5] 114-115°/0,7 mm [6]
D: $d_4^{15°}$: 0,899 inakt. $d_4^{20°}$: 0,9060 akt. $d_4^{15°}$: 0,895 d $d_4^{18°}$: 0,897 inakt. [3] $n_D^{20°}$: 1,4400 [2] [4] $n_D^{19°}$: 1,4338 [5] $n_D^{24°}$: 1,4365 [6] $n_D^{23°}$: 1,4370 [6]	$[\alpha]_D^{19°}$: + 4,58° d $[\alpha]_D^{23,5°}$: -2,0°
Methylester K.P. 212-215° akt. [2]	Nitril K.P. 220-225° akt. [2] d 21° : 0,821 akt. [2] $n_D^{21°}$: 1,4276 akt. [2]
	Amid F.P. 101-102° [7] 108-109° [8] 105° [9]

1) Paal, C 1917$_2$, 145
2) Wallach, D. A. 389, 197
3) v.Braun, B 56, 2272
4) Sabetay Bull 43, 839
5) Trikojus, C 1934, 1121
6) "), C.Abst.1933, 1495 1.
7) Calm, C 1932$_1$, 1515
8) Trikojus
9) Penfold, C 1935$_2$, 770

DIMETHYL(3,6)-HEPTAN-CARBONSÄURE(2)

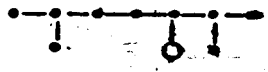
aus ß-Isoamyl-αß Dimethylisobernsteinsäureäthylester [1]) 

	K.P. 120°/3 mm [1]) 240°/760 mm [1])
D: $d_4^{20°}$: 0,9093	
	Amid [1]) F.P. 109-110°

[1]) Kondo, B 69, 2459

DIMETHYL(2,6)-HEPTAN-CARBONSÄURE(3)

aus: Oxyd. v.2,6 Dimethyl-3-methylol-heptan [1]
" CO + Na-isoamylat [2]



F.P. bei -37° nicht fest (B)	K.P. 248-249° (korr.) [3] 241,5°/751 mm (korr.) [1] 162° / 50 mm [3] 135-136°/13 mm [4]
D: d°: 0,90956	
Methylester	Nitril
Äthylester	Amid F.P. 112° [3][4]

1) Borodin, Z.1870, 416
2) Beatty, Am. 30, 229, 233
3) Guerbet, C.r.128, 512
4) Nef. A. 318, 159

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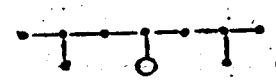
DIMETHYL(2,6)-HEPTAN-CARBONSÄURE(4)



aus Diisobutylmalonsäure [1]

K.P. 225-230°/730 mm [1]
140-142°/19 mm [2]

D: d_4°: 0,903 [2]

Methylester [3]

K.P. 87-89°

Nitril [4]

K.P. 90-91°/15 mm
D: d_4: 0,825

Äthylester [5]

K.P. 91-93°/13 mm
D: d_4°: 0,870

Amid
F.P. 120-121° [1]
74-75° [ ]

1) Bentley, Perkin jr., Soc. 73, 62
2) Freylon, A.Ch. 19, 566
3) " " " 20, 69
4) " " " 20, 88
5) " " " 20, 70

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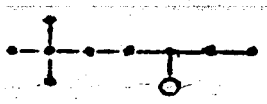
DIMETHYL(6,6)-HEPTAN-CARBONSÄURE(3)



Mallinckrodt Chemical Works (Whitmore)
A.P. 2 032 159, 17.4.33.

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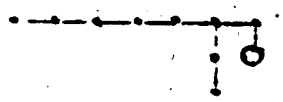
ÄTHYL(2)-HEPTAN-CARBONSÄURE(1)



Lävo-3-bromoctan, Malonester synth.[1])

K.P. 140°/ 12 mm

D: $d_4^{22°}$: 0,899

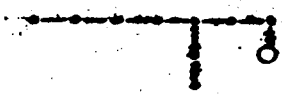
$[\alpha]_D^{22°}$: -1,67 ohne Lsgm.

Äthylester[1])
K.P. 104°/ 12 mm
D: $d_4^{22°}$: 0,865
$(\alpha)d_4^{22°}$: - 0,76° (ohne Lösungsm.)

[1]) Levene, Marker, C 1931$_2$, 3226

ÄTHYL(3)-HEPTAN-CARBONSÄURE(1)

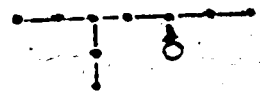
aus 2-Äthyl-1-bromhexan + Diäthylmalonat [1])



	K.P. 253-256°/760 mm
	Piperazinsalz F.P. 110

[1]) Powell, Baldwin, I.A.C.S. 58, 1871

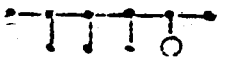
ÄTHYL(5)-HEPTAN-CARBONSÄURE(3)



	K.P. 145°/24 mm [1])
Äthylester K.P. 106-107°/25 mm [1])	

1) Fourneau, Matti C.Abstr.1932, 3073

TRIMETHYL(3,4,5)-HEXAN-CARBONSÄURE(2)



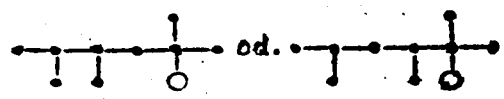
aus 3,4,5-Trimethyl-hexan(2)-carbonsäure(2) + Pt + H_2 [1])

K.P. 136-136,5°/11 mm [1])

D: $d_4^{20,5°}$: 0,935

1) Willstätter, Hatt A.418, 160.

d-TRIMETHYL(2,4,5)-HEXAN-CARBONSÄURE(2)
oder " (2,3,5)- " - " (2)

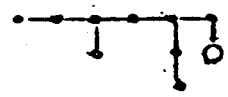


aus d. Amid + $NaNO_2$ + H_2SO_4 [1])

	K.P. 138-141°/19 mm [1])
	$[\alpha]_D$ 17°: + 45° 54' (0,3789 g in 15 cc Aol)
	Amid [1]) K.P. 152-153°/14 mm (korr:) $[\alpha]_D$ 20°: 46° 6' (1,1929 g in 25 cc Aol

1) Haller Corrubert, C.r.158, 1621

METHYL(4)-ÄTHYL(2)-HEXAN-CARBONSÄURE(1)

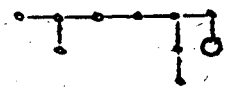


aus (2-Äthylbutyl)-äthylmalonester[1])

	K.P. 145°/24 mm [1])
Äthylester K.P. 106-107°/25 mm [1])	

1) Fourneau, Matti, C 1932$_1$, 2588

METHYL(5)-ÄTHYL(2)-HEXAN-CARBONSÄURE(1)



aus ß-Isoamyl-ß-Äthylisobernsteinsäureäthylester

	K.P. 120-121°/4 mm [1]
D: $d_4^{20°}$: 0,91478 [1]	
	Amid F.P. 56° [1]
	Anilid F.P. 50-51° [1]

1) Kondo, B 69, 2459

$C_{10}H_{20}O_2$

aus Tetrahydrospilanthol [1])

	K.P. 136-140°/4 mm

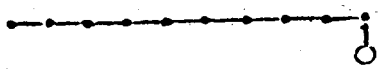
1) Asano, B 65, 1602

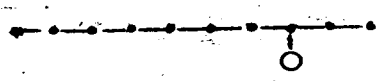
	$C_{10}H_{20}O_2$
aus Carbonsäure $C_{10}H_{18}O_2$(Redukt.)[1)] aus Capsaicin	
F.P. 24-25°	K.P. ~260°

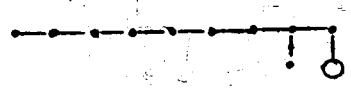
Wahrscheinlich Methyl(7)-octan-carbonsäure(1)

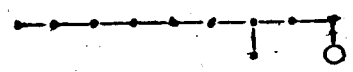
1) Nelson J.Am.Chem.Soc.41,1120

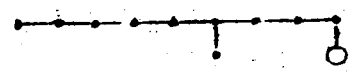
$C_{11}H_{22}O_2$

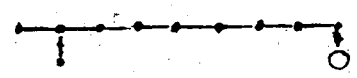
1. 

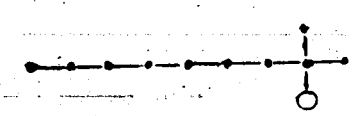
2. 

3. 

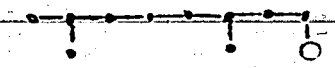
4. 

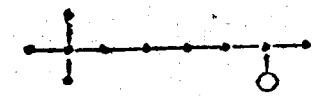
5. 

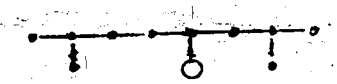
6. 

7. 

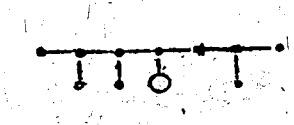
8. 

9. 

10. 

11. 

12. 

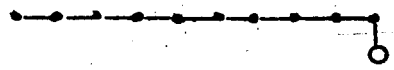
13. 

14. 

15. $C_{11}H_{22}O_2$ aus Paraffin

16. $C_{11}H_{22}O_2$ aus Pfefferminz

DECAN-CARBONSÄURE(1)



aus Undecen-1-säure 11 + HJ [1]
" Jodundecansäure + Zn + HCl [2] [3]
" Methylundecylketon d.Oxyd. [3]

F.P. 28,5° [1]
29-30° [4]
28° [5]

K.P. 212,5°/100 mm [3]
168° / 11 mm [2]
164° / 11 mm [5]
164° / 15 mm [4]
145-146°/4 mm [7]
179° / 28 mm [6]

Methylester
K.P. 123°/9-10 mm [8]

Nitril
K.P. 253-254° [9]

Äthylester [13]
K.P. 140°/ 20 mm [6]

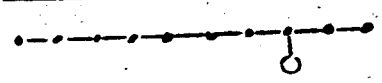
Amid
F.P. 103° [9]
103° [4]
99° [11]
96-97° [12]

Sonstiges: Molekulare Verbrennungswärme: 1615,9 Cal. [10]
Kristallisationswärme, C,1925, 1, 2606.

1) Krafft, B. 11, 2219
2) Bagard, Bl. 1, 353
3) Krafft, B. 12, 1667
4) Levene, J.biol.Chem. 18, 464
5) Ford-Moore, C. 1935, 1, 3275
6) Pickard, Soc. 103, 1947, Anm. 1.
7) Langlais, C. 1924, 2, 1475
8) Lesser, Weiss, B. 47, 2519
9) Ehestädt. Diss. Freiburg, 1886, 19
10) Strohmann, J.pr. 49, 107
11) Robertson, Soc. 115, 1220
12) Asano, C.1922, 1, 1227
13) Darzens, C.r. 144, 330.

00002877

DECAN-CARBONSÄURE(3)



aus: Önanthol + Malonester [1])

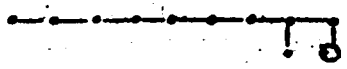
K.P. 117-118°/ 5-6 mm

Äthylester

K.P. 131° / 23 mm
D : 0,879
$[\alpha]_d$: -0,65°

1) Bowden, J.A.Chem.Soc. 56, 689.

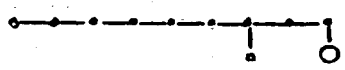
METHYL(2)-NONAN-CARBONSÄURE(1)



	$[M]_D$ 25°: -8,1° ohne Lösungsmittel[1]

1) Levene, C. 1933$_2$, 2252.

METHYL(3)-NONAN-CARBONSÄURE(1)



aus γ-Methyl-γ,δ-decylensäure [1])

	K.P. 150-152°/ 12 mm [1])

1) Staudinger, Helv.chim. a. 7, 245.

00002880

METHYL(4)-NONAN-CARBONSÄURE(1)

aus Na-Äthylmalonester + 1-Brom- 3-Methyloktan [1])

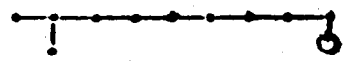
	K.P. 135° /3 mm
D: $d_4^{25°}$: 0,893	
	$[\alpha]_d^{25°}$: -0,18° $[M]_d$: beob.: -0,33° ber.: -0,6°
Äthylester K.P. 140° /25 mm [2]) D: $d_4^{24°}$: 0,864 $[\alpha]_d^{24°}$: 0,43° $[M]_d^{24°}$: -1,96°	

1) Levene, C.1932$_2$, 41
2) " , C.1934$_1$, 2267.

00002881

METHYL(8)-NONAN-CARBONSÄURE(1)

aus 8-Methyl-nonan-dicarbonsäure [1])



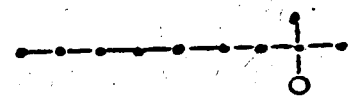
F.P. bei Zimmertemperatur wachsartige Tafeln [1])	K.P. 174-174,5°/23 mm

Sonstiges: Abbauprodukte: b. Oxyd. + H_2O_2 in schwach saurer Löeg.: Aceton
Levene, J.biol.Chem. 27, 461.

1) Levene / Allen } J.biol.Chem. 27, 449.

00002882

METHYL(2)-NONAN-CARBONSÄURE(2) [1]



Darstellung angegeben Ann. chim. 20, 304

1) Grunfeld, C. 1934, 1451.

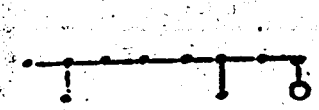
METHYL(5)-NONAN-CARBONSÄURE(5)

aus α-Methyl-α-dibutyl-aceton [1]

	K.P. 158-159°/ 18 mm [1] 185-190°/ 55 mm [2]

1) Meerwein, A. 419, 148
2) Volwiler, J.Am.Chem.Soc. 58, 1352.

DIMETHYL(3,7)-OCTAN-CARBONSÄURE(4)



aus d.l. Dimethyloctanol + KCN [1]

K.P. 149-152°/14 mm [1]
151-153°/14 mm [2]
149-151°/11 mm [3]
150-151°/10 mm [4]

D: $d_4^{17°}$: 0,897 [1]
$d_4^{17°}$: 0,901

$[\alpha]_d$ = -0° 35' [1]

Methylester [4]
K.P. 105-108°/3 mm

Nitril [1]
K.P. 112-114°
$d_4^{18°}$: 0,836
K.P. 111-114°/14 mm
$d_4^{18°}$: 0,836
$[\alpha]_D$ = +0° 30'

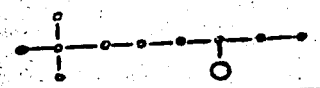
Äthylester [1]
K.P. 120-122°/13 mm
124-126°/14 mm
$d_4^{21°}$: 0,866
$[\alpha]_D$ = +0° 12'

Amid
F.P. 79-81° [3]
K.P.: Luftbadtemp. 110-130° [1]
F.P. 80-81° [4]

1) v.Braun, B 56, 2273
2) F.G.Fischer, A.475, 183
3) Späth, Klager, B.67, 859
4) Heilbron, C.1929$_2$, 434

00002884

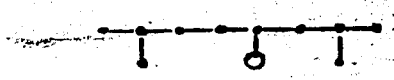
DIMETHYL(7,7)-OCTAN-CARBONSÄURE(3) [1]



1) Mallinckrodt, Chemie. Works (Whitmore)
A.P. 2 032 159, 17.4.33.

00002885

DIMETHYL(2,7)-OKTAN-CARBONSÄURE(4)



aus Isobutyl-isoamyl-malonester [1]

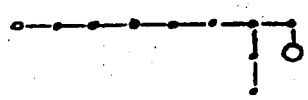
K.P. 144-146°/13 mm [1]
243-250°/755 mm [2]

Äthylester
K.P. 215-220°/741 mm [2]

Amid
F.P. 84-85° [1]

1) Nef, A.318, 155
2) Curtius, C. 1930$_2$, 56.

ÄTHYL(2)-OCTAN-CARBONSÄURE(1)

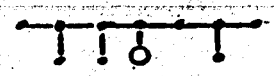


aus 3 Jodnonan + Na-malonester [1])

	K.P. 170°/28 mm [1])

[1]) Bagard, Bl. 1, 359.

TRIMETHYL(2,5,6)-HEPTAN-CARBONSÄURE(4)

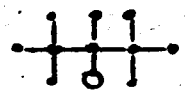


aus ß-Isopropyl-α-isobutyl-butyrolacton + HJ + Zn + HCl [1])

	K.P. 145° /11 mm
	Amid F.P. 82-83°

1) Nef, A. 318, 154.

PENTAMETHYL(2,2,3,4,4)-PENTAN-CARBONSÄURE(3).



aus Triisobutylen (Oxyd.) [1]
" Rosshaar & Schafwolle [2]

F.P. 66-70° [1]
68° [2]

K.P. 260° korr. [1]
256-258° korr. [2]

Methylester
K.P. 217-220° [1]

Äthylester
K.P. 227-230° [1]

Sonstiges: Ist ein Gemisch zweier zwölfer Säuren .
Conant, Wheland, C 1932, 854
J.Am.Chem.Soc. 55, 2499

1) Butlerow, B.12, 1483
2) Spiegler, B.Ph.P. 4, 55

00002889

$C_{11}H_{22}O_2$

aus Paraffin [1])

F.P. 53,7°

1) Bergmann, Z.ang.Chem. 31, 69.

00002890

$C_{11}H_{22}O_2$

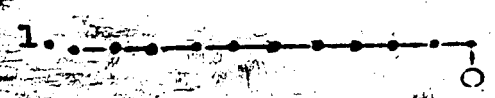
aus japanischem Pfefferminzöl [1])

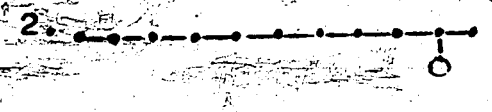
Methylester

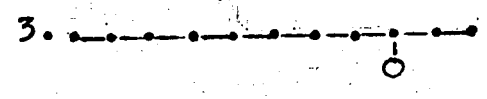
K.P. 112-113°/ 4mm
D_{15}^{o}: 0,9719
$n_D^{20°}$: 1,44129

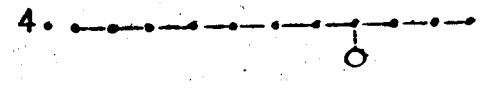
1) Walbaum, C.1930$_1$, 447.

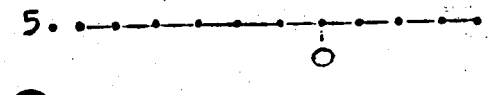
$C_{12}H_{24}O_2$

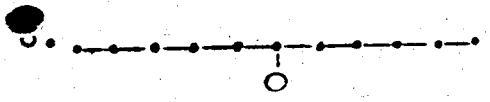
1. 

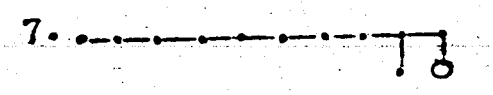
2. 

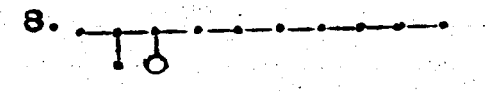
3. 

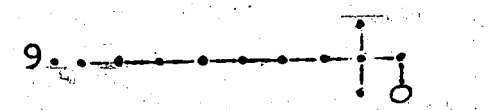
4. 

5. 

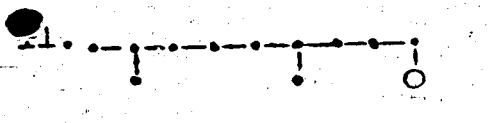
6. 

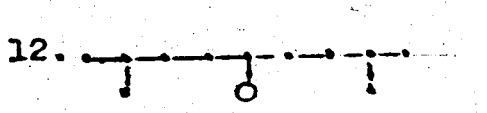
7. 

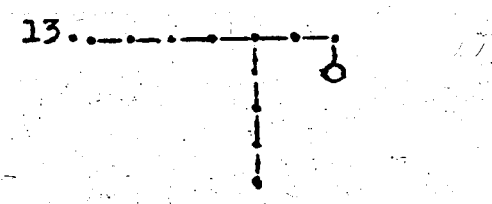
8. 

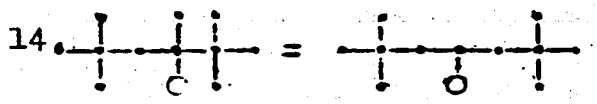
9. 

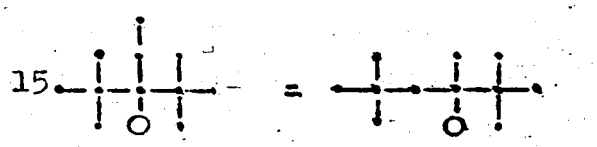
10. 

11. 

12. 

13. 

14. 

15. 

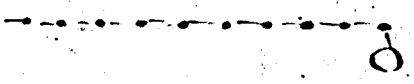
16. $C_{12}H_{24}O_2$ aus Age

17. " " Kieselschwamm

18. " Hordeinsäure

19. " Isolaurinsäure

UNDECAN-CARBONSÄURE(1)



F.P. 44° 1)
43,6° 2)
43° 3)
42° 4)

K.P. 225°/100 mm 5)
180°/16 mm 6)
177°/16 mm 3)
176°/15 mm 7)
166°/10-11 mm 4)

D: d 20°: 0,883 8)
d_4: 0,8750 (geschmolzen) 9)
$d_4^{60°}$: 0,8642 6)
$d_4^{78,5°}$: 0,8495 10)

n_α 78,5°: 1,41749 10)
n_β 78,5°: 1,42474 10)
$n_D^{60°}$: 1,42665 6)
$n_D^{76°}$: 1,4236 3)

Methylester
F.P.: +5° 11)
K.P.: 148°/18 mm 12
141°/15 mm 11

Nitril
F.P.: +4° 14)
K.P.: 198°/100 mm 14)
d_4^4: 0,8350 (flüssig) 14)
d^{15}: 0,8273 14)
d 98,5°: 0,7675 14)
F.P.: 75,5-76° 15)

Äthylester
F.P.: erstarrt bei -10° 8)
K.P.: 269° 20)
79°/0 mm bei 25 mm Steighöhe 21)
101°/0 mm " 65 mm " 21)
$d_4^{12,9°}$: 0,8675; 22)
$d_4^{134,2°}$: 0,7728 22)
$d_4^{19°}$: 0,8671 20)
n_α 12,9°: 1,43269; n_α 134,2°: 1,38313;
n_β 12,9°: 1,44030; n_β 134,2°: 1,38978 23)

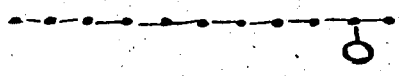
Amid
F.P.: 110° 16)
102° 14)
98-99° 4)
97° 18)
K.P.: 199-200°/12,5 mm 19)

Sonstiges: Abbau zur Caprinsäure. 16)

1) Stohmann, J.pr.[2] 32, 88
2) Heintz, A.92, 294
3) Partheil, Ar.241, 557
4) Caspari, Am. 27, 304
5) Krafft, B.13, 1415
6) Scheij, R.18, 186
7) Krafft, B.29, 1324
8) Görgey, A.66, 306
9) Krafft, B.15, 1724
10) Eijkmann, R.12, 165
11) Haller, Youssoufian, C.r.143,805
12) Guérin, Bl.[3] 29, 1121
14) Krafft, B.15, 1729
15) Eitner, Wetz, B.26, 2847
16) Ehestädt, Diss. 1886 Freibg.
18) Lutz, B.19, 1441
19) Eitner, Wetz, B.26, 2840
20) Delffs, A.92, 278
21) Krafft, B.36, 4340
22) Eijkmann, R.14, 187
23) " , R.12, 277, R.14,187

00002893

UNDECAN-CARBONSÄURE(2)



aus Methyl-n-nonyl-malonsäure.

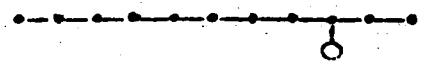
F.P.: feste Masse	K.P.: 125-127°/6 mm [1]

Verb. mit Desoxycholsre.F.P.: 179 [1]

1) Chargaff, Abel, C.1935$_1$, 2024

00002894

UNDECAN-CARBONSÄURE(3)



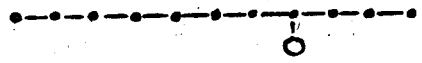
aus Äthylmalonester + Octylbromid.

	K.P.: 186°/12 mm [1]
Äthylester K.P.: 135-137°/12 mm [1]	

1) J.v.Braun, B.62, 235.

00002895

UNDECAN-CARBONSÄURE(4)



aus n-Heptyl-n-propylmalonester.

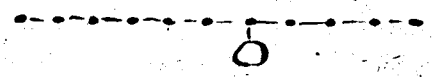
K.P.: 160-162°/10 mm 1)

Äthylester
K.P.: 135°/15 mm 1)

H.v.Braun, B.62, 2880.

00002896

UNDECAN-CARBONSÄURE(5)



aus n-Butyl-n-hexyl-malonsäure.

	K.P.: 168-170°/13 mm [1] 148-149°/3 mm [2]
D: $d_4^{20°}$: 0,8911 [2]	
$n_D^{20°}$: 1,4409 [2]	
Äthylester K.P.: 134-136°/12 mm [1]	

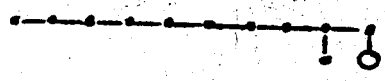
1) J.v.Braun, B.62, 2880
2) Armendt, J.Am.Chem.Soc. 52, 1289.

UNDECAN-CARBONSÄURE(6)

	K.P.: 141-143°/4 mm [1]
D: $d_4^{20°}$: 0,8900	
$n_D^{20°}$: 1,4381	

1) Armendt, Jour.Am.Chem.Soc. 52, 1289.

METHYL(2)-DECAN-CARBONSÄURE(1)



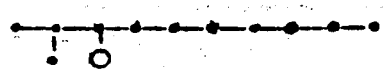
aus 9-Methylundecen-(9)-säure-(11)-äthylester.

K.P.: 165,5°/10 mm [1])

Äthylester
K.P.: 134°/10 mm.

1) H.Rupe, C.1932$_2$, 1429.

METHYL(9)-DECAN-CARBONSÄURE(8)

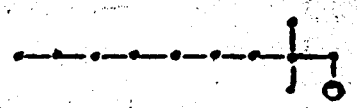


	K.P.: 133-134°/4 mm [1]
D: $d_4^{20°}$: 0,9429 [1]	
$n_D^{20°}$: 1,4399	

1) Armendt, Jour.Am.Chem.Soc.52, 1289.

00002900

DIMETHYL(2,2)-OCTAN-CARBONSÄURE(1)

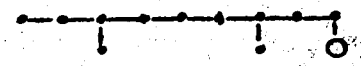


F.P.: 118° [1])

Amid
aus Dimethyl-n-octylacetophenon
K.P.: 205°/16 mm
F.P.: 92° 1)

1) Blondeau, C. 1928$_1$, 2391.

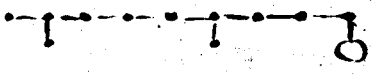
DIMETHYL(3,7)-NONAN-CARBONSÄURE(1)



Äthylester
K.P.: 80°/0,3 mm [1])

1) Karrer, C.1933$_1$, 617.

DIMETHYL(4,8)-NONAN-CARBONSÄURE(1)



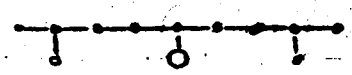
aus Tetrahydrogeranylacetessigester 1)
" Citrylidenessigsäure (Hydr.) 2)

F.P.: Öl 1)	K.P.: 159,5-160,5°/10 mm 1) 160-162°/12 mm 2)
	Amid ölig 2)

1) F.G.Fischer, A.475, 183 (wahrscheinlich identisch mit der von Willstätter A.378, 145 erhaltenen Säure $C_{10}H_{20}O_2$.

2) R. Kuhn, B.69, 98-107.

DIMETHYL(2,8)-NONAN-CARBONSÄURE(5)



aus Diisoamylmalonsäure 1) 2)
aus Diisoamylacetaldehyd 3)

F.P.: 46-47° 1)
44-45° 2)
48° 4)

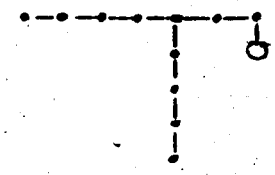
K.P.: 158°/15 mm 2)
162-165°/17 mm 4)

Äthylester
K.P.: 122°/15 mm 4)
$d_4^{19°}$: 0,8567 4)

Amid
F.P.: 115° 1)

1) Fournier, C.r.128, 1289
2) Nef, A.318, 146(Anm.)
3) Béhal, BL/37 31,307
4) J.v.Braun, C.1937$_2$, 1348
B.70, 1224.

n-BUTYL(3)-HEPTAN-CARBONSÄURE(1)



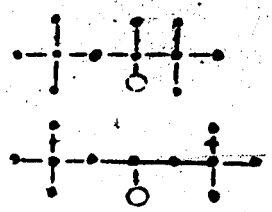
aus 3-Butyl-heptan-dicarbonsäure(1,1)

	K.P.: 173-174°/12 mm korr. [1]
D: 0,901	
Äthylester K.P.: 139°/10 mm [1]	

[1] Levene, J.biol.Chem. 33, 511.

PENTAMETHYL(2,2,3,5,5)-HEXAN-CARBONSÄURE(3)
= TETRAMETHYL(2,2,6,6)-HEPTAN-CARBONSÄURE(4)

aus Triisobutylen durch Oxyd. 1)
" 1,1-Dineopentyläthylen d.Oxyd. 2)



F.P.: 88° 1)
85-87° 2)

Methylester

K.P.: 117-120°/40 mm
$n_D^{25°}$: 1,4265
$d_4^{25°}$: 0,8582

Amid
F.P.: 140-141° 1)

p-Chloranilid
F.P.: 187-187,5° 1)

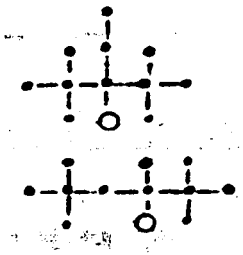
1) Conant, Wheland, C.1933, 854
= Jour.Am.Chem.Soc. 55, 2499
2) Whitmore, C.1934, 1610
= Jour.Am.Chem.Soc. 56, 1397
Whitmore & Crooks, Jour. Am.Chem.Soc.1938,2076.

00002906

TETRAMETHYL(2,2,4,4)-ÄTHYL(3)-PENTAN-CARBONSÄURE(3)

= PENTAMETHYL(2,2,3,5,5)-HEXAN-CARBONSÄURE(3)

durch Oxydation von Triisobutylen.



F.P.: 129° 1)
130-130,5° 2)
125° 3)

Methylester
K.P.: 115-120°/35 mm 1)
$n_D^{25°}$: 1,4437 1)
$d_4^{25°}$: 0,8925 1)

p-Chloranilid
F.P.: 166,5-167° 1)

1) Conant, Wheland, C. 1933$_2$, 854
= Jour.Am.Chem.Soc. 55, 2499.
2) Whitmore, C. 1934$_2$, 420
3) " , C. 1934$_2$, 1610.

$C_{12}H_{24}O_2$

aus Age.

F.P.: 42° [1])

1). Hoppe, J.pr 186C, 324

$C_{12}H_{24}O_2$

aus d. Fett des Kieselschwammes.

F.P.: 110° [1])

1) Henze, H. 41, 120

$\frac{C_{12}H_{24}O_2}{\text{(Hordeinsäure)}}$

aus Gerste + H_2SO_4.

F.P.: 60° 1)

1) Beckmann, J.pr. 66, 52
J.1855, 513
vgl. Wurtz, A.ch. /3/ 46, 227, Anm.

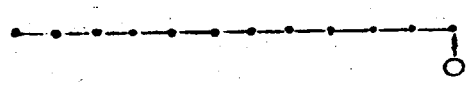
ISOLAURINSÄURE

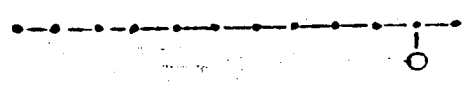
d.Oxydation d. Embelins.

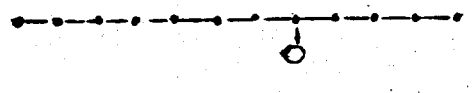
F.P.: 33° 1)

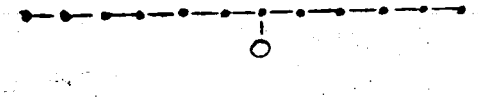
1) Ramjee,Kaul, C.1930$_1$. 397.

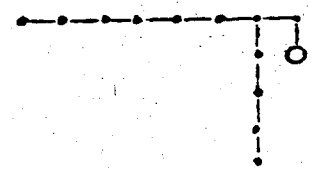
$C_{13}H_{26}O_2$

1. 

2. 

3. 

4. 

5. 

6. $C_{13}H_{26}O_2$ Ficocerylsäure

00002912

DODECAN-CARBONSÄURE(1)

aus Tridecanal (Oxyd) [1]
" Tridecanol (") [2]
" Methyltridecylketon [3]

Fp. 42,5° 1)
40,5° 3)
40° 2)
44,5-45,5° 5)
41° 6)
39° 7)
38,5-40,5° 8)

K.P. 236°/100 mm 3)
199-200°/24 mm korr. 5)

Nitril
Fp. flüssig 4)
K.P.275°

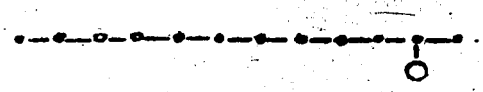
Äthylester
Kp. 163-165°/5 mm 10)
197-198°/60 mm

Amid
Fp. 98,5° 4)
100° 9)

1) Le Sueur, Soc. 87, 1905
2) Blau, M.26, 107
3) Krafft, B.12, 1669
4) Lutz, B.19, 1438
5) Levene, J.biol.Chem. 23, 73
6) Bougault, C.r.153,881
7) Posternak, C.r.162, 946
8) Lapworth, Soc.103, 1032
9) Robertson, Soc.115, 1220
10) Ruhoff, C.1936$_2$, 2126.

00002913

DODECAN-CARBONSÄURE(2)



K.P. 150°/1 mm 1)
153°/1 mm 2)

D: $d_4^{25°}$: 0,884 1)

$n_D^{25°}$: 1,4395 1)

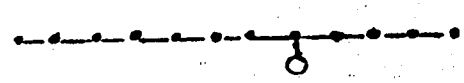
Nitril
K.P. 108-110°/0,5 mm 2)

Äthylester
K.P. 141°/1 mm
D : 25° : 0,854

Amid
F.P. 77° 2)

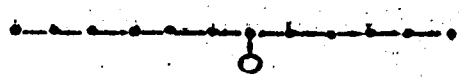
1) Levene, C.1933 I, 1277
= J.biol.Chem. 98, 1
2) Levene, C.1930 I, 1459
= J.biol.Chem. 84, 571.

DODECAN-CARBONSÄURE(5) [1]



1) Abbot.Lab. Übertrag von R.Adams.
A.P. 1917 681 (21.1.31)
bactericide Wirkung d.Ester.

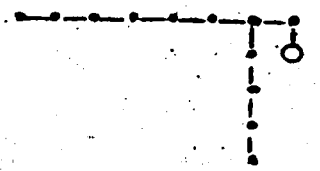
DODECAN-CARBONSÄURE(6)



	K.P. 149-150°/4 mm [1]
D: $d_4^{20°}$: 0,8850 [1]	
$n_D^{20°}$: 1,4410 [1]	

1) Armendt, J.Am.Chem.Soc. 52, 1289.

BUTYL(2)-OCTAN-CARBONSÄURE(1)



K.P. 179°/13 mm [1])

D: $d_4^{20°}$: 0,8860 [1])

$n_D^{20°}$: 1,4403 [1])

Äthylester
K.P. 115°/1 mm [1])
$d_4^{20°}$: 0,8560
$n_D^{20°}$: 1,4290

1) Levene, C.1923, 39
= J.biol.Chem. 54, 351.

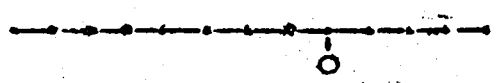
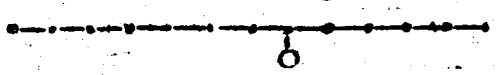
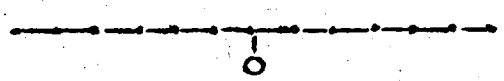
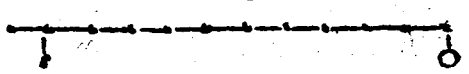
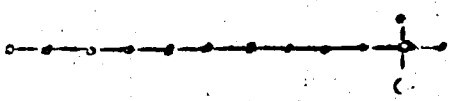
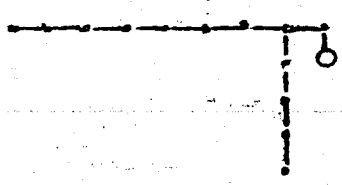
$C_{13}H_{26}O_2$ (FICOCERYLSÄURE)

d.Verseifung v.Gondangwachs [1])

F.P. 57° [1])

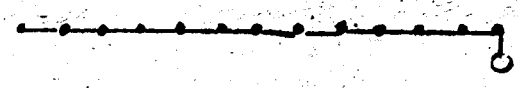
[1]) Greshoff, R.20, 71

$C_{14}H_{28}O_2$

1. 
2. 
3. 
4. 
5. 
6. 
7.  = ß-Diönanthsäure

8. $C_{14}H_{28}O_2$ Gallipinsäure
9. $C_{14}H_{28}O_2$ Lanomyristinsäure
10. $C_{14}H_{28}O_2$ aus Geraniumöl
11. $C_{14}H_{28}O_2$ aus Wollfett

TRIDECAN-CARBONSÄURE(1)



aus: Stearolsäure + Aetzkali [1),2)]
" Muskatbutter [3)]

F.P. 53,8° [4)]
53,7° [5)]
57,5-58° [21)]

K.P. 250,5°/100 mm korr. [6)]
199°/16 mm [5)]
196,5°/15 mm [6)]
185-187°/0,8-0,9 mm [21)]

$D_4^{53,8°}$: 0,8622 (flüssig) [4)]
$D_4^{70°}$: 0,8528 [22)]
$D_4^{90°}$: 0,8394 [22)]

$n_D^{60°}$: 1,43075 [7)]
$n_D^{76°}$: 1,4248 [5)]

Methylester
F.P. 18° [8)]
19° [9)]
K.P. 295°/751 mm [10)]
167-168°/15 mm [8)]

Nitril
F.P. 19° [14)]
K.P. 226,5°/100 mm [14)]
169°/13 mm - 86°/0 mm [14)]
$D_4^{19°}$:0,8281 (flüssig)
$D^{25°}$:0,8241 [14)] $D^{99°}$:0,7724 [14)]

Aethylester
F.P. 10,5-11,5° [11)]
K.P. 295° [12)]
102°/0 mm (25 mm Steighöhe) [13)]
121°/0 mm (65" ") [13)]

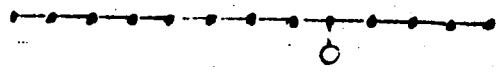
Amid
F.P.102° [16)]
K.P.217°/12mm [17)]
135-136°/0 mm [15)].

Sonstiges: Molekulare Verbrennungswärme [18)]
Veresterungs-Konstante [19)]
mit Salpetersäure: Bernstein und Adipinsäure, wenig Glutar-, Oxal-, Kork- und Pimelinsäure [20)]

1) Marasse B. 2, 361
2) Bodenstein B 27, 3398
3) Krafft B. 12, 1669
4) Krafft B 15, 1724
5) Partheil Ar 241, 556
6) Krafft B. 16, 1719
7) Schef j.R. 18, 187
8) Haller C.r. 143, 805
9) Bull B. 39, 3572
10) Tiemann B. 26, 2677
11) Nördlinger B. 18, 2623
12) Reimer B. 18, 2016
13) Krafft B. 36, 4340
14) Krafft B. 15, 1730
15) Krafft B. 29, 1324
16) Masino A. 202, 174
17) Eitner B. 26, 2840
18) Stohmann J.pr. 42, 374
19) Sudborough Soc. 93, 215
20) Nördlinger B. 19, 1899
21) Levene J. biol.Chem. 18, 466
22) Dunstan Soc. 107, 668

00002919

TRIDECAN-CARBONSÄURE(5)



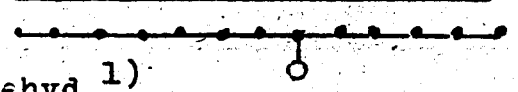
Malonestersynthese [1]

	K.P. 160-161°/4 mm
$D_4^{20°}$: 0,8873	$n_D^{20°}$: 1,4435

Sonstiges: bactericide Wirkung

1) Arrmendt J.am.Chem.Soc. 52, 1289

TRIDECAN-CARBONSÄURE(6)



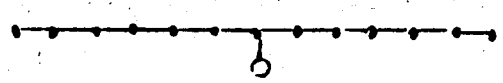
aus: n-Amyl- n -heptyl - acetaldehyd 1)
" Malonestersynthese 2)

F.P. bei - 10° nicht fest 1)	K.P. 300 - 310° 1) 155,5 - 157°/ 4 mm 2)
$D_4^{20°}$: 0,8900 2)	$n_D^{20°}$: 1,4430 2)

Sonstiges: bactericide Wirkung 2)

1) Perkin jun. Soc. 43, 74
2) Armendt J.am.Chem.Soc. 52,1289

TRIDECAN-CARBONSÄURE(7)



aus: Malonestersynthese [1]

	K.P. 159-160°/4 mm [1]
$D_4^{20°}$: 0,8895 [1]	$n_D^{20°}$: 1, 4421 [1]

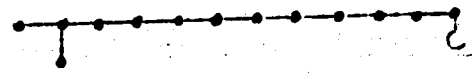
Sonstiges: bactericide Wirkung [1]

1) Armendt J.am.Chem.Soc. 52, 1289

00002922

METHYL(12)-DODECAN-CARBONSAURE(1)
(ISOMYRISTINSÄURE)

aus: Isobutylbromid + Sebacylchlorid [1]



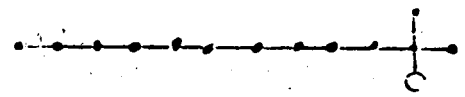
F.P. 50,5-51°

Äthylester
K.P. 140-142°/5 mm
$n_D^{20°}$:1,4342

1) Fordyce I.am.Chem.Soc. 55, 3368

00002923

METHYL(2)-DODECAN-CARBONSÄURE(2)

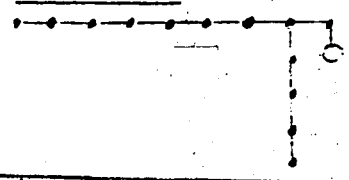


aus : Dimethylundecyl-phenylketon
+ $NaNH_2$ u. $NaNO_2$ [1]

F.P. 27° [1]	K.P. 184°/12 mm [1]
	Amid F.P. : 95-96° [1]

1) Haller C.r. 149, 7

$C_{14}H_{28}O_2$ (ß-Diönanthsäure)



aus: n-Heptylalkohol + Na. 1)

F.P. 4° 1)	K.P. 190-191°/13 mm 1)
D 15° : 0,8860 1)	
	Amid: F.P. 108° 3)

Sonstiges: Wird durch Chromsäure zu : CO_2, Capryl-, Önanth-, Valerian-, Butter- und Essigsäure oxydiert 2)

1) Guerbet C.r. 132, 209
2) Guerbet C.r. 134, 469
3) Guerbet C.r. 153, 1489

$C_{14}H_{28}O_2$ (GALLIPINSÄURE)

aus: Oxyd von Cyclogallipharsäure [1]

F. P. 49° [1]

/

1) Kunz-Krause Ar. 248, 412

$C_{14}H_{28}O_2$ (LAUROMYRISTINSÄURE)

aus : Wollfett [1])

F.P. 58,5-59,5	
	Amid F.P. 95,5-97,5°

1) Kuwata C. 1937, 4577

$C_{14}H_{28}O_2$

im indisch. Geraniumöl als Ester [1),2)]

F.P. 28,2° [1)]

F.P. einiger Salze bekannt

1) Flatau C. r. 126, 1876
2) Schimmel C 1898 2, 985

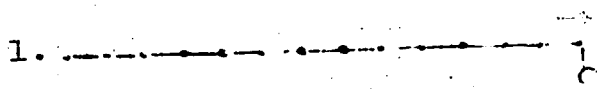
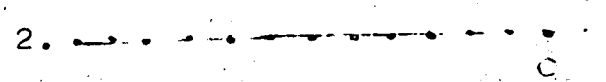
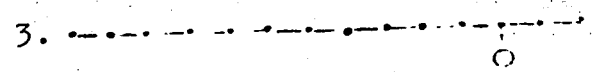
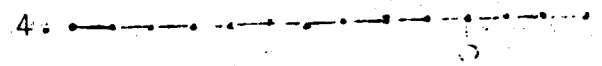
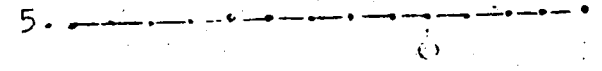
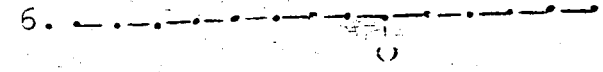
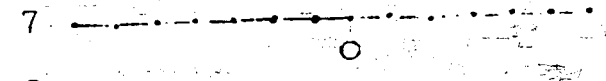
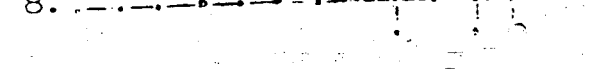
$C_{14}H_{28}O_2$

aus: Wollfett [1])

F.P. ~22°

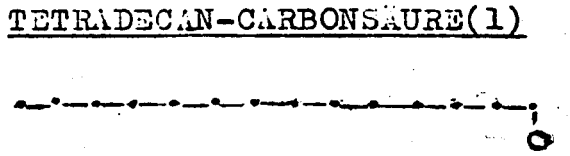
1) Abraham C 1936, 2468

$C_{15}H_{30}O_2$

1. 
2. 
3. 
4. 
5. 
6. 
7. 
8. 

9. $C_{15}H_{30}O_2$ Lactarsäure
10. $C_{15}H_{30}O_2$ Isocetinsäure
11. $C_{15}H_{30}O_2$ aus Hefefett
12. $C_{15}H_{30}O_2$ aus Angelicaöl
13. $C_{15}H_{30}O_2$ aus Ceroceryalkohol
14. $C_{15}H_{30}O_2$ aus Wollfett

TETRADECAN-CARBONSÄURE(1)



aus: Pentadecanol [1]
" Pentadecanol [2]
" Methyl-pentadecylketon [3]
" Ceten + $KMnO_4$ [9]
" Tetradecylbromid + KCN [10]
" Palmitinsäureäthylester [11]

F.P. 51° [3]
53° [2]
53-54° [4]
52° [5]
49,5° [6]
52-52,5° [8][9] -- 51° [11]

K.P. 257°/100 mm [3]
220-240°/15 mm [7]
193-195°/13 mm [8][9]

Methylester
F.P.: 18,5° [2]
: 10° [12]

Nitril
F.P. 23° [5]
K.P. 181-185°/23 mm [5]
D_4^{30}: 0,8187 [5]

Äthylester
F.P. 14° [2]
K.P. 172-174°/15 mm [9]

Amid
F.P. 102,5° [2]

Anilid
F.P. 78° [6]

Sonstiges: Verb.m. Desoxycholsäure [13]

1) Panics M. 15, 14
2) Le Sueur Soc. 87, 1898
3) Krafft B. 12, 1671
4) Levene J.biol.Chem. 18,467,483
5) Majima B. 46, 4095
6) Asahina C. 1926$_1$, 915
7) Skraup A. 462, 135
8) Landa C. 1929$_1$, 221
9) Landa C. 1931$_1$, 597
10) Ruhoff C. 1936$_2$, 2126
11) Fiertz-David, Helv. 22,83
12) Eckert M. 34, 1821
13) Rheinboldt C. 1927$_1$, 1570

TETR'DECAN-CARBONSÄURE(2)

aus: Malonestersynthese [1]

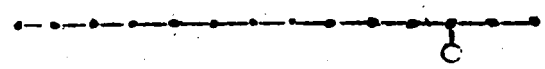
F.P. 34-36°	K.P. 172-175°/2-3 mm

Sonstiges: bakterizide Wirkung

1) Greer, Adams, J.am.Chem.Soc. 52, 2540

TETRADECAN-CARBONSÄURE(3)

aus: Malonestersynthese [1]



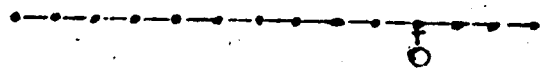
	K.P. 160-163°/2-3 mm
$D_4^{20°}$: 0,8821	$n_D^{20°}$: 1,4455

Sonstiges: bakterizide Wirkung

1) Greer, Adams, J.am.Chem.Soc. 52, 2540

aus: Malonestersynthese [1]

TETRADECAN-CARBONSÄURE(4)

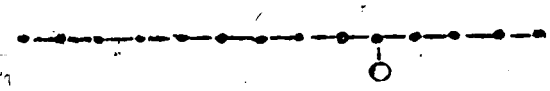


	K.P. 164-167°/2-3 mm
$D_4^{20°}$: 0,8819	$n_D^{20°}$: 1,4450

Sonstiges: bakterizide Wirkung

1) Greer, Adams, J.am.Chem.Soc. 52,2540

aus: Malonestersynthese [1] TETRADECAN-CARBONSÄURE(5)



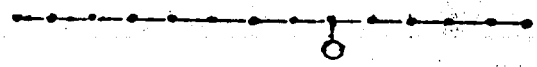
	K.P. 159-162°/2-3 mm
$D_4^{20°}$: 0,8824	$n_D^{20°}$: 1,4459

Sonstiges: bakterizide Wirkung

1) Greer, Adams, J.am.Chem.Soc. 52, 2540

aus: Malonestersynthese [1]

TETRADECAN-CARBONSÄURE(6)



	K.P. 161-164°/2-3 mm

Sonstiges: bakterizide Wirkung

1) Greer, Adams, J.am.Chem.Soc. **52**, 2540

00002936

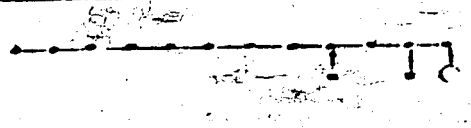
aus: Malonestersynthese 1) **TETRADECAN-CARBONSÄURE(7)**

	K.P. 156-159°/1-2 mm
$D_4^{20°}$: 0,8806	$n_D^{20°}$: 1,4450

Sonstiges: bakterizide Wirkung

1) Greer, Adams, J.am.Chem.Soc. 52, 2540

DIMETHYL(2,4)-DODECAN-CARBONSÄURE(1)



aus: Methyl-n-octylketon [1]

	K.P.183-184°/10 mm [1]
Äthylester K.P. 153°/10 mm [1]	

Sonstiges: Viskosität [2]

1) Rupe$_2$C.1932$_2$, 1429
2) Staudinger C. 1934$_1$, 1027

00002938

$C_{15}H_{30}O_2$ (LACTARSÄURE)

aus: Agaricus integer [1]
" Lactaricus piperatus [2]

F.P. 69,5-70° [1]

Methylester
F.P. 38° [2]

Methylester
F.P. 38,5° [2]

Amid
F.P. 108° [2]

Sonstiges: Ist identisch mit Stearinsäure [3]

1) Thörner B. 12, 1636
2) Chait Bl. 2, 153
3) Bougault C. 1912$_1$, 732.

$C_{15}H_{30}O_2$ (ISOCETINSÄURE)

(im Öle d.Samen v. Jatropha Cureas [1])

F.P. 55° [1])

Methylester
F.P. 21° [2])

1) Bous C.r. 29, 923
2) Bous J. 1854, 463.

$C_{15}H_{30}O_2$

aus: Hefefett [1]

F.P. 56°

Sonstiges: Ist ein Gemisch das hauptsächlich Palmitinsäure neben etwas Laurinsäure enthält. [2]

1) Hinsberg H. 38, 4
2) Hinsberg H. 42, 189, 111, 304, H.114, 199.

$C_{15}H_{30}O_2$

aus: einer Oxysäure d. Angelicaöls [1]

1) Ciamician B. 29, 1815

$C_{15}H_{30}O_2$

aus: Coccerylalkohol + Chromsäure [1]

F.P. 59-60° [1]	
Methylester F.P. 66-68°	

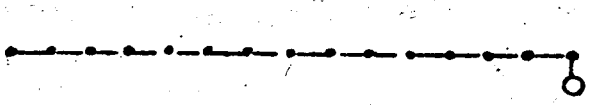
1) Liebermann B.20, 962

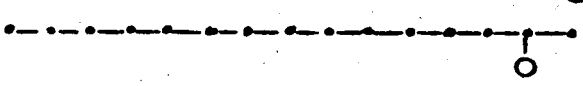
$C_{15}H_{30}O_2$

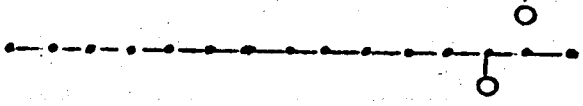
aus: Wollfett [1]

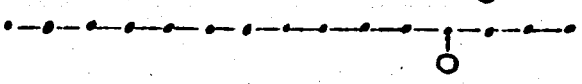
1) Abraham c. 1936, 2468

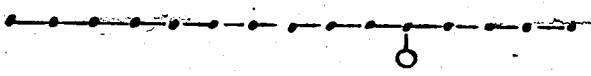
$C_{16}H_{32}O_2$

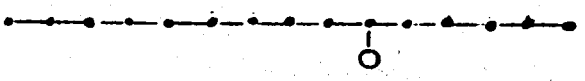
1. 

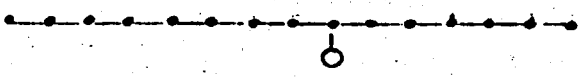
2. 

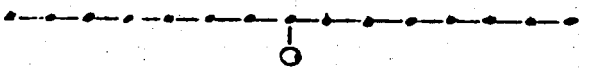
3. 

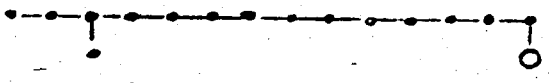
4. 

5. 

6. 

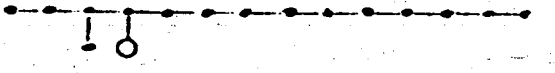
7. 

8. 

9. 

11. 

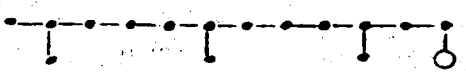
12. 

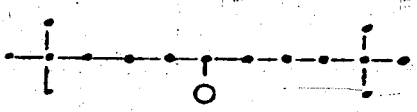
10. 

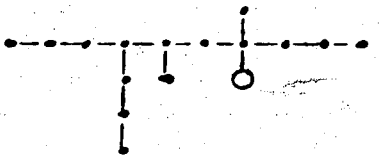
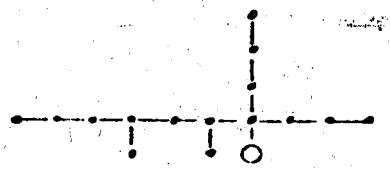
18. $C_{16}H_{32}O_2$ aus Paraffin

19. $C_{16}H_{32}O_2$ Isopalmitinsäure

20. $C_{16}H_{32}O_2$ Lanopalmitinsäure

13. 

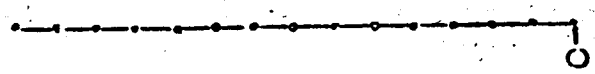
14. 

15.  od. 

16. $C_{16}H_{32}O_2$ (Gallipharsäure)

17. $C_{16}H_{32}O_2$ (aus Phytol)

PENTADECAN-CARBONSÄURE(1)



F.P.: 62° 1)
62,5° 2)
62,6° 3)
62,618° 4)

K.P.: 271,5°/100 mm (korr.)5)
219°/20 mm 2)
215°/ 15 mm (korr.)5)

D_4 62° : 0,8527(flüssig)5)
D_4 75,8: 0,8465 3)

n_{α} 75,8 : 1,42719 16)
n_{β} 75,8 : 1,43458 16)
n_D 74,5 : 1,4284 2)
n_D 80 : 1,42693 3)

Methylester
F.P.: 29.5° 6)
30,5° 7)
K.P.:196°/15 mm 8)

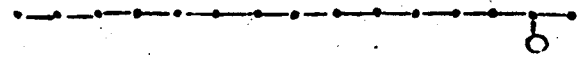
Nitril
F.P. : 31°12)
29°13)
K.P° :251,5°/100 mm12)
196°/15 mm 14)
193°/13 mm 15)
108°/0 mm 15)
D_4 31°:0,8224 12)
D^4 40°:0,8186 12)
D 98,9°:0,7761 12)

Aethylester
F.P. 24,2° 9)
24° 10)
24° 11)
K.P. 184,5-185,5°/10 mm 10)
122°/0 mm (25cm Steigh.)17)
138°/0 mm (65" ")17)

Amid
F.P. 106-107° 12)
104-105° 13)
K.P. 235-236°/12 mm 18)
152-153°/0 mm 15)

1) Heintz J. pr. 66, 8)
2) Partheil Ar. 241, 554
3) Scheij R. 18, 187
4) d.Vissier R. 17, 185
5) Krafft B. 16, 1721
6) Bull B. 39, 3573
7) Fanto A. 351, 335
8) Haller C.r. 143, 805
9) Heintz J.pr. 66, 37
10) Holzmann Ar. 236, 440
11) Curtius J.pr. 64, 422
12) Krafft B. 15, 1730
13) Hell B. 24, 989
14) Krafft B. 22, 812
15) Krafft B. 29, 1324
16) Eijkmann R. 12, 165
17) Krafft B. 36, 4340
18) Eitner B. 26, 2840

PENTADECAN-CARBONSÄURE(2)



aus: Malonestersynthese [1]

F.P. 24° [1]	K.P. 172-173°/2,5 mm [1]
$D_4^{25°}$: 0,8765 [1]	$n_D^{25°}$: 1,4453 [1]
Aethylester K.P. 185-187°/12 mm [2]	

1) Stanley J.am.Chem.Soc. 51, 1261
2) Cox. jun. J.am.Chem.Soc. 57, 1801

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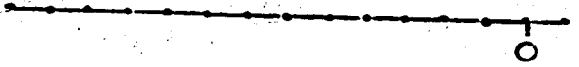
PENTADECAN-CARBONSÄURE(2)

(Isopalmitinsäure) (α-Methyl-pentadecylsäure)



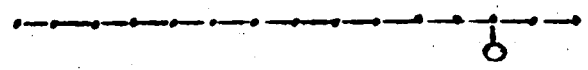
aus: Pentadecylsäure [1]

F.P. 48°	

1) Morgan C. 1927$_2$, 1464

00002948

PENTADECAN-CARBONSÄURE(3)



aus: Malonestersynthese [1]

F.P. 23° 1)	K.P. 178-179°/3 mm 1)
$D_4^{25°}$: 0,8808 1)	$n_D^{25°}$: 14460 1)

Methylester
K.P. 191-199°/15 mm 2)

1) Stanley J.am.Chem.Soc. 51, 1261
2) Cox. jun. J.am.Chem.Soc. 57, 1801

00002943

PENTADECAN-CARBONSÄURE(4)

6

aus: Malonestersynthese[1]

F.P. 16,5°-17°[1]	K.P. 178-179°/3mm[1]
$D_4^{25°}$: 0,8808[1]	$n_D^{25°}$: 14460[1]

Äthylester

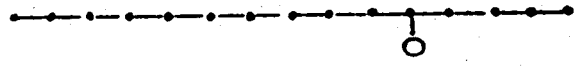
K.P. 181-183°/14mm[2]

1) Stanley J.am.Chem.Soc.51,1261
2) Cox.jun. J.am.Chem.Soc.57,1801

00002950

PENTADECAN-CARBONSÄURE(5)

aus: Malonestersynthese[1)]



F.P. 13-14° [1)]	K.P. 175-176°/3 mm [1)]
$D_4^{25°}$: 0,8789 [1)]	$n_D^{25°}$: 1,4458 [1)]
Methylester K.P. 180-185°/15 mm [2)]	

1) Stanley J.am.Chem.Soc. 51, 1261
2) Cox. jun. J.am.Chem.Soc. 57, 1801

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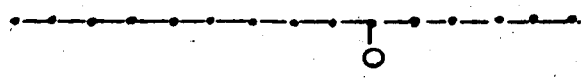
PENTADECAN-CARBONSÄURE(6)



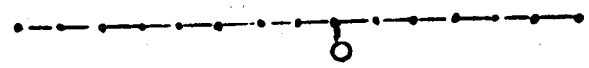
aus: Malonestersynthese [1]

F.P. 9-10° [1]	K.P. 178-179°/3 mm [1]
$D_4^{25°}$: 0,8887 [1]	$n_D^{25°}$: 1,4518 [1]
Methylester K.P. 180-182°/14 mm [2]	

1) Stanley J.am.Chem.Soc. 51, 1261
2) Cox.jun.J.am.Chem.Soc. 57, 1801

PENTADECAN-CARBONSÄURE(7)

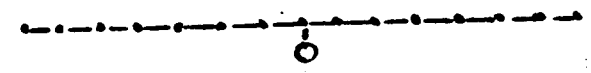
aus: Malonestersynthese[1]



	K.P. 165-168°/2 mm[1]
$D_4^{25°}$: 0,8768 [1]	$n_D^{25°}$: 1,4495[1]
Aethylester K.P. 181-183°/14 mm [2]	

1) Stanley J.am.Chem.Soc. 51, 1261
2) Cox jun. J.am.Chem.Soc. 57, 1801

PENTADECAN-CARBONSÄURE(8)



aus: Diheptylacetessigester[1)]
" Malonestersynthese[2)]

F.P. 26-27° 1) 26-27° 2)	K.P. 240-250°/80-90 mm 1) 187-189°/4 mm 2)
$D_4^{25°}$: 0,8771	$n_D^{25°}$: 1,4497
Aethylester flüssig K.P. 308,5-311° 1) 182-183°/14 mm 3)	

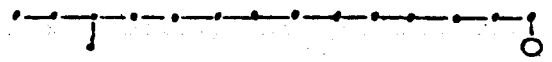
Sonstiges: bakterizide Wirkung 4)

1) Jourdan A. 200, 116
2) Stanley J.am.Chem.Soc. 51, 1261
3) Cox. jun. J.am.Chem.Soc. 57, 1801
4) Adams A.P.1873 732 (28.12.28)

00002954

aus: Jalapinolsäure + H.J. 1)

METHYL(12)-TETRADECAN-CARBONSÄURE(1)



F.P. 65-66° 1)

Sonstiges: Erstarrungspunkt: 63-62° 1)

1) Kromer J.pr. 57, 454

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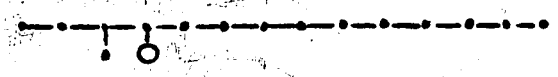
MERHYL(12)-TETRADECAN-CARBONSÄURE(11)



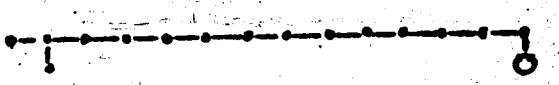
aus: Malonestersynthese [1]

F.P. 38-39°	K.P. 185-186°/9 mm

1) Stanley J.am.Chem.Soc. 51, 1261

METHYL(13)-TETRADECAN-CARBONSÄURE(1)

(Isopalmitinsäure)



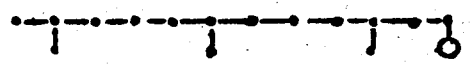
aus: Isohexylbromid + Sebacylchlorid [1]

F.P. 61,8-62,4°

1) Fordyce J.am.Chem.Soc. 55, 3368

TRIMETHYL(3,7,11)-DODECAN-CARBONSÄURE(1)

aus: Ammoresinol [1]
" Hexahydrofarnesol [2]



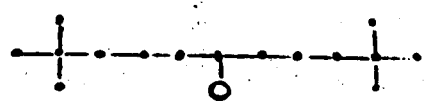
K.P. 140°/0,15 mm [1]
150-160°/1 mm [2]

Methylester
K.P. 120 -125°/0,15 mm [1]

Sonstiges: Ist die richtige Formel d.v. Späth als $C_{17}H_{34}O_2$ (Trimethyl(4,8,12)-Tridecan-Carbonsäure[1])) angegebenen Säure. Siehe [3],[4]

1) Raudnitz B. 70, 463
2) Späth B. 70, 1255
3) Raudnitz B. 70, 1582
4) Späth B. 70, 1679.

TETRAMETHYL(2,2,10,10)-UNDECAN-CARBONSÄURE(6)



F.P. 36°	K.P. ~170°/4-5 mm

1) Mallinckrodt (Whitemore) A.P.2032159 (17.4.35)

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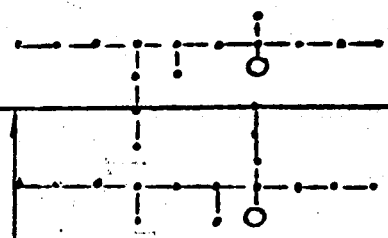
DIMETHYL(4,6)-PROPYL(7)-DECAN-CARBONSÄURE(4)
DIMETHYL(5,7)-PROPYL(4)-DECAN-CARBONSÄURE(4)



	Amid K.P. 200-205°/17 mm [1]

1) Haller C.r.158, 1742

GALLIPHARSÄURE $C_{16}H_{32}O_2$

aus: Cyclogallipharsäure [1)3)]

F.P. 54° 1)
57,5° 2)

1) Kunz-Krause Ar. 242, 281
2) Kunz-Krause Ar. 248, 404
3) Kunz J.pr. 69, 421

$C_{16}H_{32}O_2$

aus: Phytol [1]

F.P. Öl	K.P. 201-204°/13 mm
D_4^o : 0,901; $D_4 20$: 0,887	$n_D 20$: 1,44967
	Amid F.P. 46,5-48,5°

1) Willstätter A. 378, 138,142,147.

$C_{16}H_{32}O_2$

aus: Paraffin [1]

F.P. 38,4°

1) Bergmann Z.ang.Chem. 31, 69.

$C_{16}H_{32}O_2$ (Isopalmitinsäure)

aus: Rogenöll)

F.P. 57-58°	

1) Ono, 1933$_1$, 1218

$C_{16}H_{32}O_2$ (Lanopalmitinsäure)

aus: Wollfett [1]

F.P. 44,5-46,0° (Misch.F.P.+Palmitinsäure = 35,6-37,5°	
	Amid F.P. 81,5-82,5°

1) Kuwata, C. 1937$_1$, 4577.

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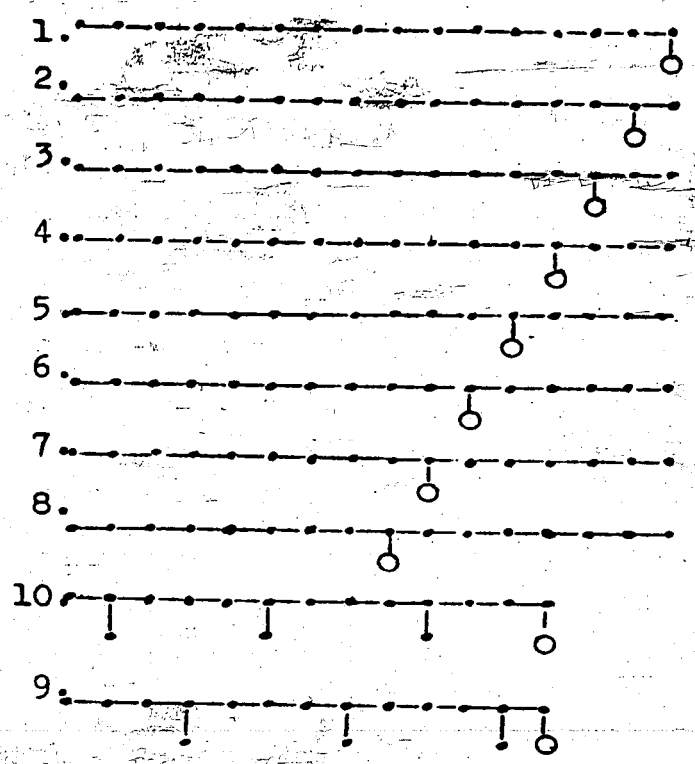
$C_{17}H_{34}O_2$

1.
2.
3.
4.
5
6.
7
8.
10
9.



11. $C_{17}H_{34}O_2$ (natürliche Margarinsäure)
12. $C_{17}H_{34}O_2$ (Dorosominsäure)
13. $C_{17}H_{34}O_2$ (aus Harz)
14. $C_{17}H_{34}O_2$ (Neurostearinsäure)

HEXADECAN-CARBONSÄURE(1)

aus: Cetylcyanid + KOH 1)2)
" Margarinaldehyd 3)
" Methyl-heptadecylketon 4)
" Stearinsäure 12)

F.P. 60-61° 3) 59,9° 2) 59,9-60° 5) 60,5° 6) 60-61° 10) 53°-54° 11) F.P. 60° 12)	K.P. 227°/100 mm 4)
D 59,9-60 : 0,8532 5)	n_D60 : 1,4342 5)
Methylester F.P. 29° 3) 29° 5) K.P. 140-155°/0,2 mm 11)	Nitril F.P. 53° 7)8) 29° 9) K.P. 208°/ 10 mm 9)
Aethylester F.P. 28° 3) 24-25° 2) 27,5° 5)	Amid F.P. 106° 3)

Sonstiges: Angaben von 7) u. 8) zu streichen.
Siehe Heintz Ann.Phys. 102,258, 272
Verbindung m. Dexoxycholsäure 13)

1) Becker A. 102, 209
2) Heintz Ann. d.Phys. 102, 257
3) Le Sueur, Soc.85, 836
4) Krafft B. 12, 1672
5) Sutton C 1913 1, 2108
6) Böhmer C 1912 2, 703
7) Köhler J. 1856 2, 580
8) Becker A. 102, 212
9) v. Braun B. 44, 1472
10) Skraup A. 462, 135
11) Levene C. 1934 1, 871
12) Fiertz David Helv. 22, 83
13) Rheinboldt C 1927 1, 1570.

HEXADECAN-CARBONSÄURE(2)

(α-Methylpalmitinsäure)

aus: Grignard d.α Halogen Fettsäure(C_{16}) [1]

F.P. 54° [1]

1) Morgan C $\underline{1927}_2$, 1464

HEXADECAN-CARBONSÄURE(2)

aus: Malonestersynthese[1)]

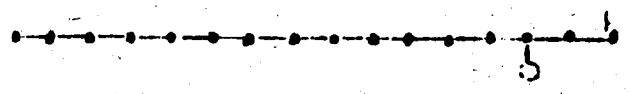
F.P° 45,5-47,5° 1)	K.P° 174-177°/1-2 mm 1)

Sonstiges: bakterizide Wirkung

1) Greer, Adams J.am.Chem.Soc. 52,2540.

HEXADECAN-CARBONSÄURE(3)

aus: Malonestersynthese[1]

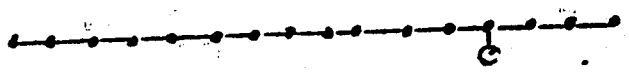


	K.P.164-168°/1-2 mm [1]
$D_4^{20°}$: 0,8810 [1]	$n_D^{20°}$: 1,4480 [1]

Sonstiges: bakterizide Wirkung

1) Greer, Adams J.am.Chem.Soc. 52,2540.

HEXADECAN-CARBONSÄURE(4)



aus: Malonestersynthese[1)]

	K.P.183-187°/2,5-3,5 mm [1)]
$D_4^{20°}$: 0,8827 [1)]	$n_D^{20°}$: 1,4483 [1)]

Sonstiges: bakterizide Wirkung.

1) Greer, Adams J.am.Chem.Soc. 52, 2540.

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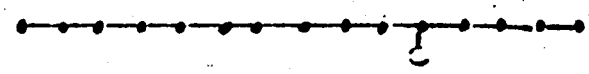
HEXADECAN-CARBONSÄURE(5)



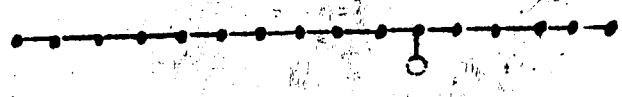
aus: Malonestersynthese[1)]

	K.P. 174-177°/2-3 mm [1)]
$D_4^{20°}$: 0,8783 [1)]	$n_D^{20°}$: 1,4484 [1)]

Sonstiges: bakterizide Wirkung

1) Greer, Adams J.am.Chem.Soc. 52, 2540.

HEXADECAN-CARBONSÄURE(6)



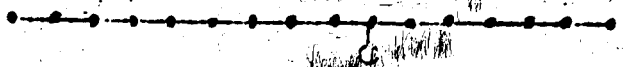
aus: Malonestersynthese[1)]

	K.P. 177-182°/2-3 mm [1)]

Sonstiges: bakterizide Wirkung

1) Greer, Adams, 52, 2540

HEXADECAN-CARBONSÄURE(7)



aus: Malonestersynthese [1]

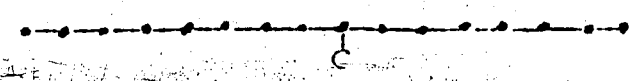
	K.P.182-185°/2-3 mm [1]
$D_4^{20°}$: 0,8821 [1]	$n_D^{20°}$: 1,4489 [1]

Sonstiges: bakterizide Wirkung

1) Greer, Adams J.am.Chem.Soc. 52, 2540.

HEXADECAN-CARBONSÄURE(8)

aus: Malonestersynthese [1]

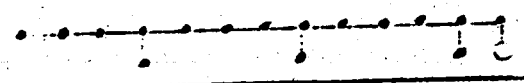


	K.P.184-187°/2-3 mm [1]
$D_4^{20°}$: 0,8780 [1]	$n_D^{20°}$: 1,4483 [1]

Sonstiges: bakterizide Wirkung

1) Greer, Adams J.am.ChemSoc. 52, 2540.

TRIMETHYL(2,6,10)-TRIDECAN-CARBONSÄURE(1)

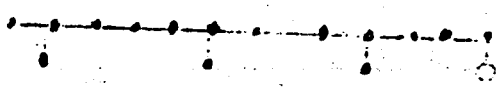


Methylester
K.P. 145-148°/5 mm [1]

1) Heilbron J.chem.Soc.Lond. 1929, 883.

aus: Ammoresinol [1]
" Ammoresinol [2]

TRIMETHYL(4,8,12)-TRIDECAN-CARBONSÄURE(1)



	K.P. 135-145°/0,03 mm [2]

Sonstiges: Siehe [3] ist eine Säure $C_{16}H_{32}O_2$
Trimethyl (3,7,11)-dodecan-carbonsäure(1)
Siehe [4], [5], [6]

1) Raudnitz B. 69, 1956
2) Späth B. 69, 1656
3) Raudnitz B. 70, 463
4) Späth, B. 70, 1255
5) Raudnitz B. 70, 1582
6) Späth B. 70, 1679.

$C_{17}H_{34}O_2$ (natürliche Margarinsäure)

1)
2)
3)

F.P. 59,5-60° 4)
57,5-58° 5)

Methylester
F.P. 30° 6)
25,5-26° 7)
K.P. 184-187°/9 mm 7)

Amid
F.P. 103° 7)

1) Holde B. 38, 1247
2) " B. 34, 2402
3) H. Meyer M. 33, 311
4) H. Meyer M. 33, 319
5) Klimont M. 35, 1115, 1122
6) H. Meyer M. 31, 1239
7) Lipp J.pr. 99, 253

$C_{17}H_{34}O_2$ (DOROSOMINSÄURE)

aus: Fischöl [1]

F.P. 55° [1]

Methylester
F.P. 30° [1]

Sonstiges: Wahrscheinlich mit Daturinsäure ident. Daturin- und Dorosominsäure ein Gemisch [2]

1) Marcelet C 1928$_2$, 1110
2) Verkade C 1929$_2$, 1803 = Bioch.Z.206, 468.

$C_{17}H_{34}O_2$

aus: Harz d. Hevea Kautschuks [1]

F.P. 73-75° [1]

1) Whitby C. 1926$_2$, 1865.

$C_{17}H_{34}O_2$ (Neurostearinsäure)

aus: Cerumen [1])

1) Nakashima C 1933$_1$, 3957