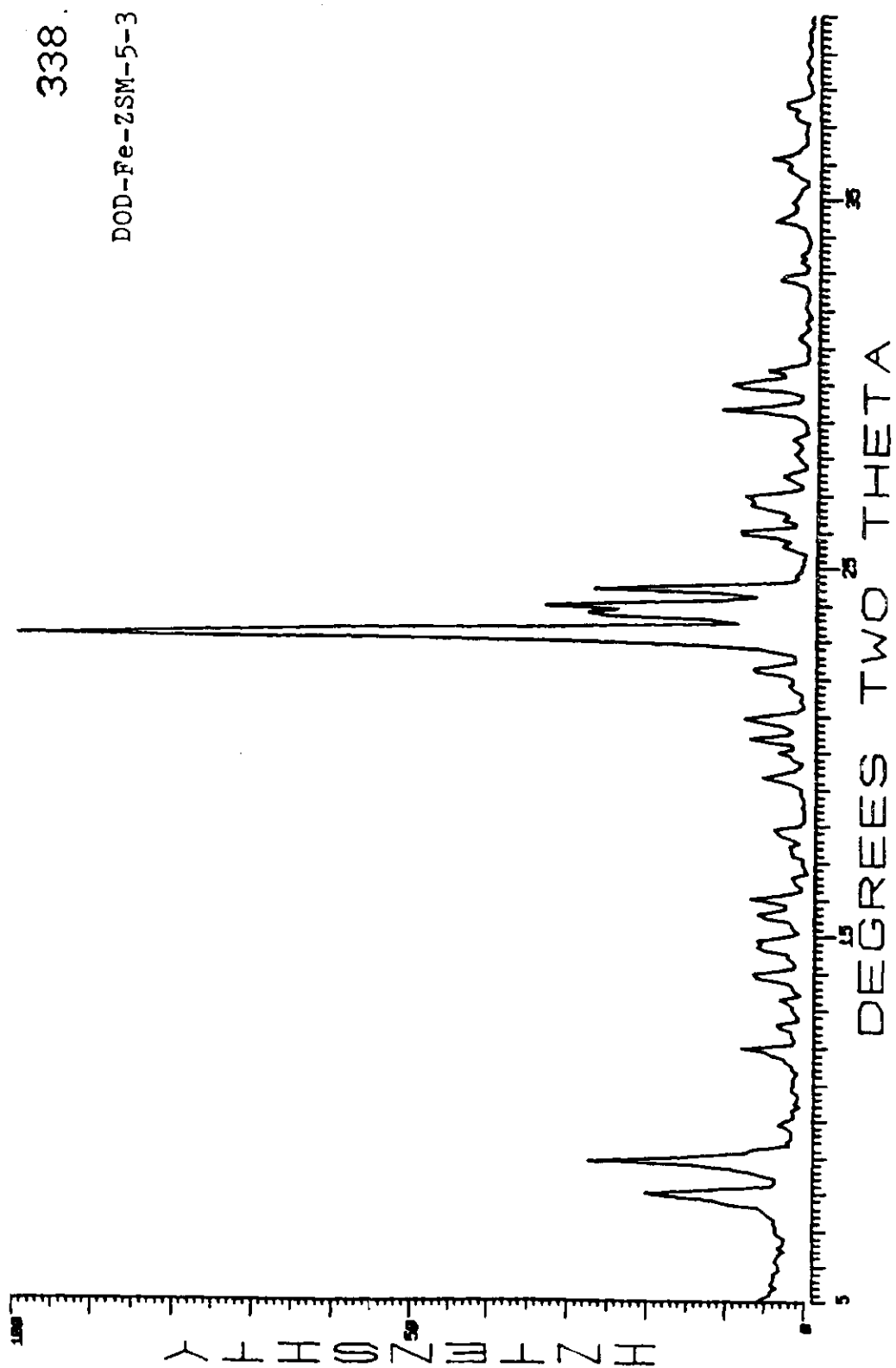
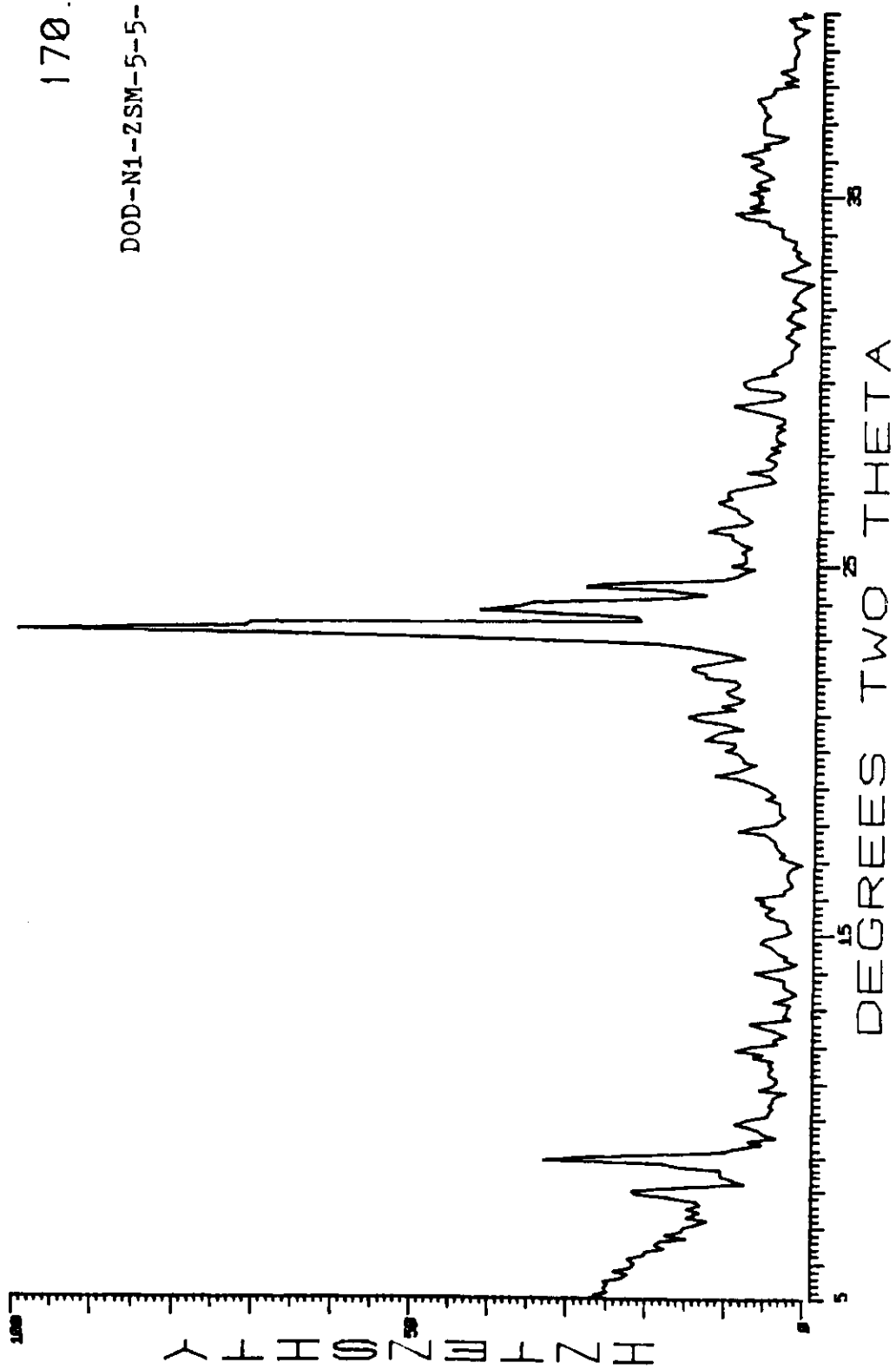


APPENDIX E

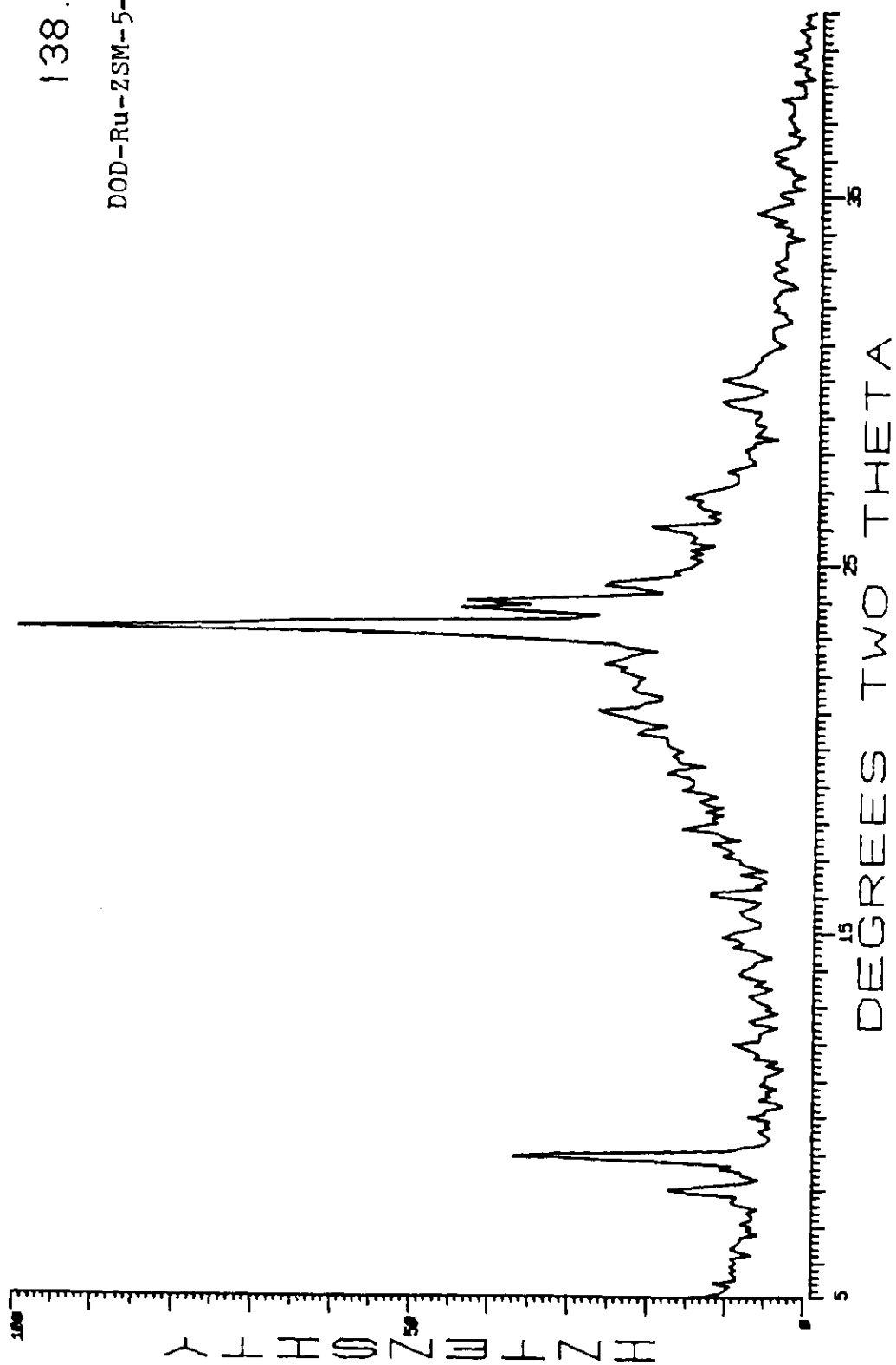
X-Ray Diffractograms For Bifunctional Metal  
Zeolite Catalysts Formed By  
Direct Synthesis

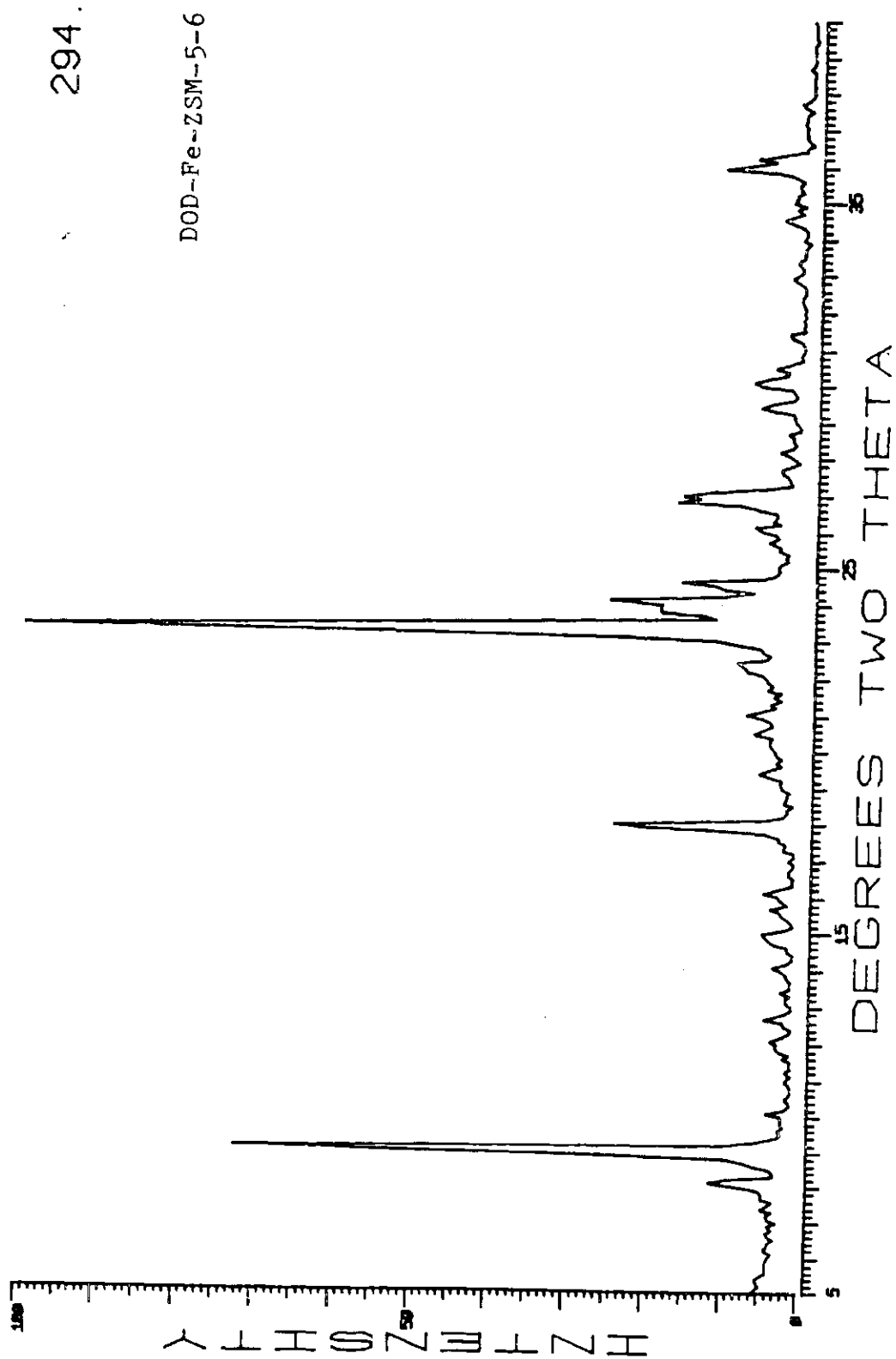


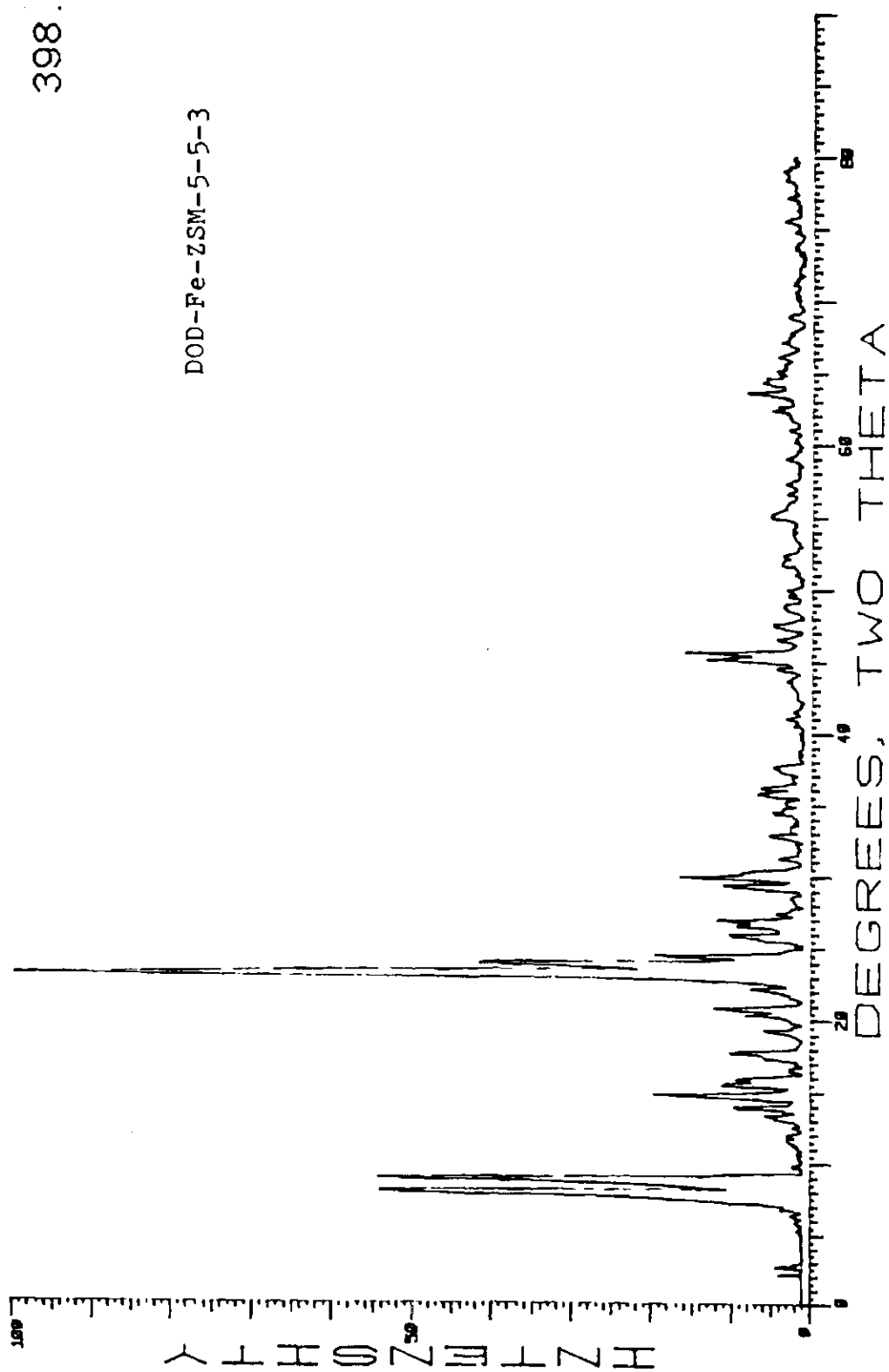


138.

DOD-Ru-ZSM-5-1-11-29

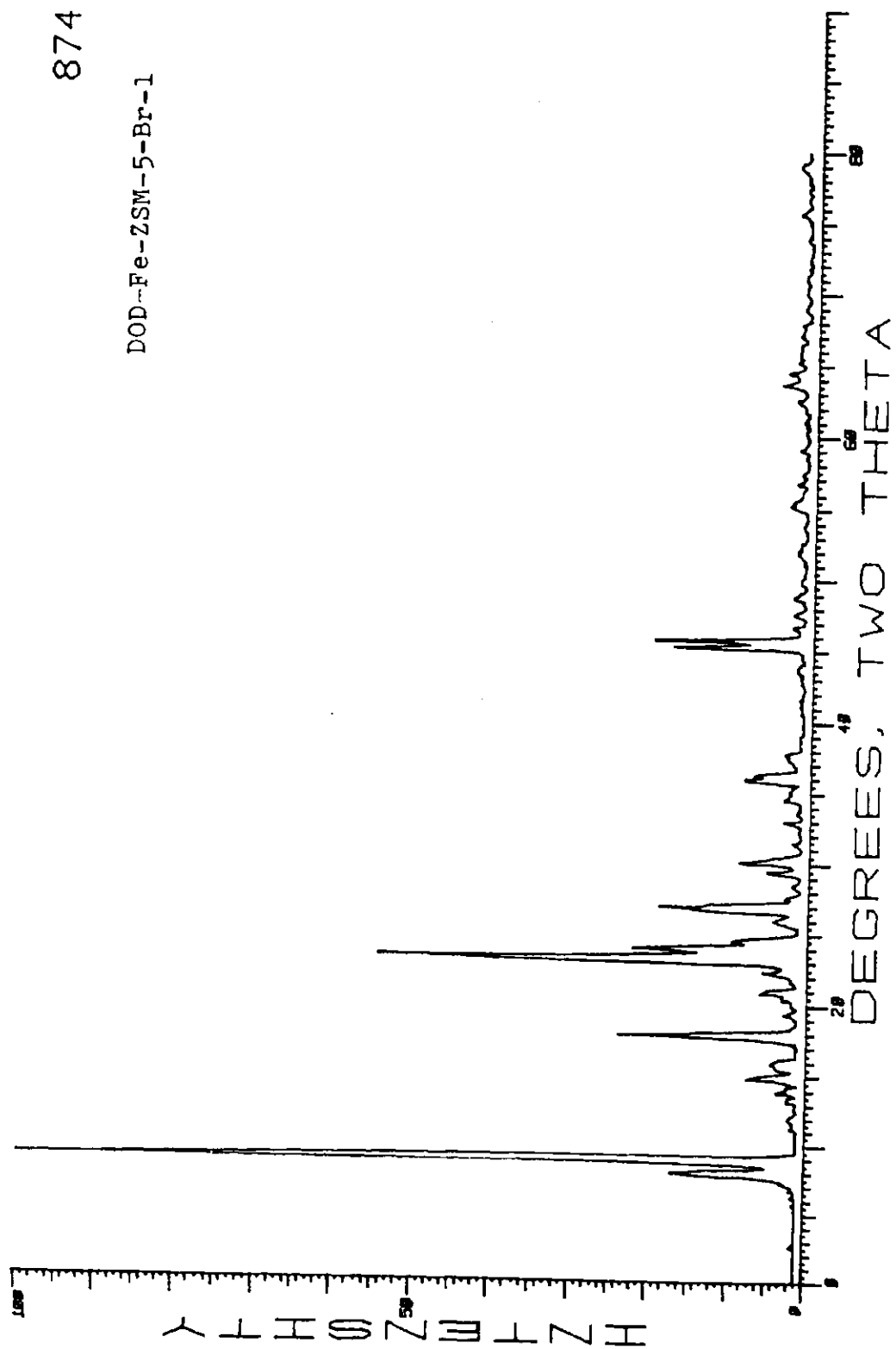






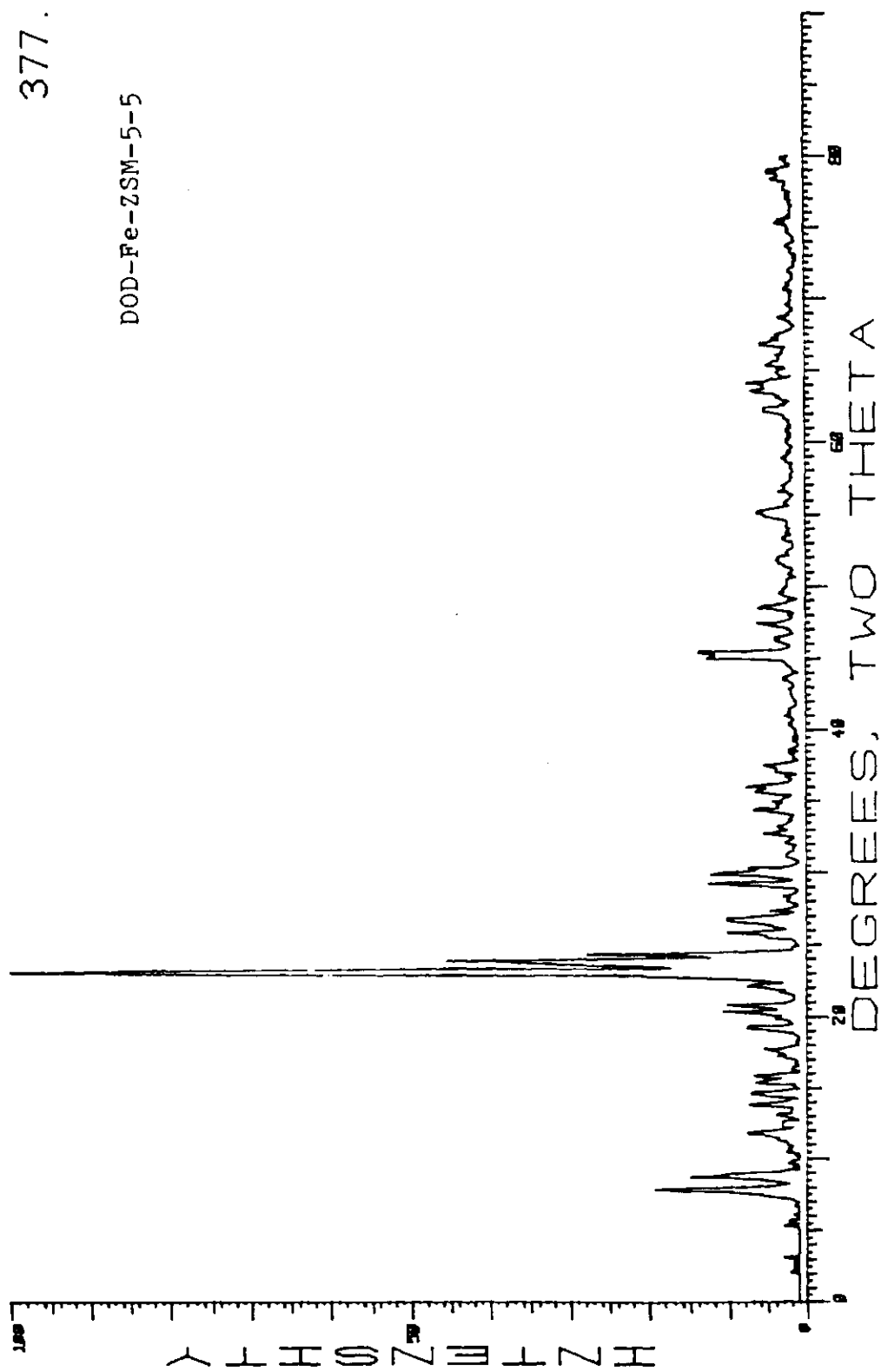
874.

DOD-Fe-ZSM-5-Br-1



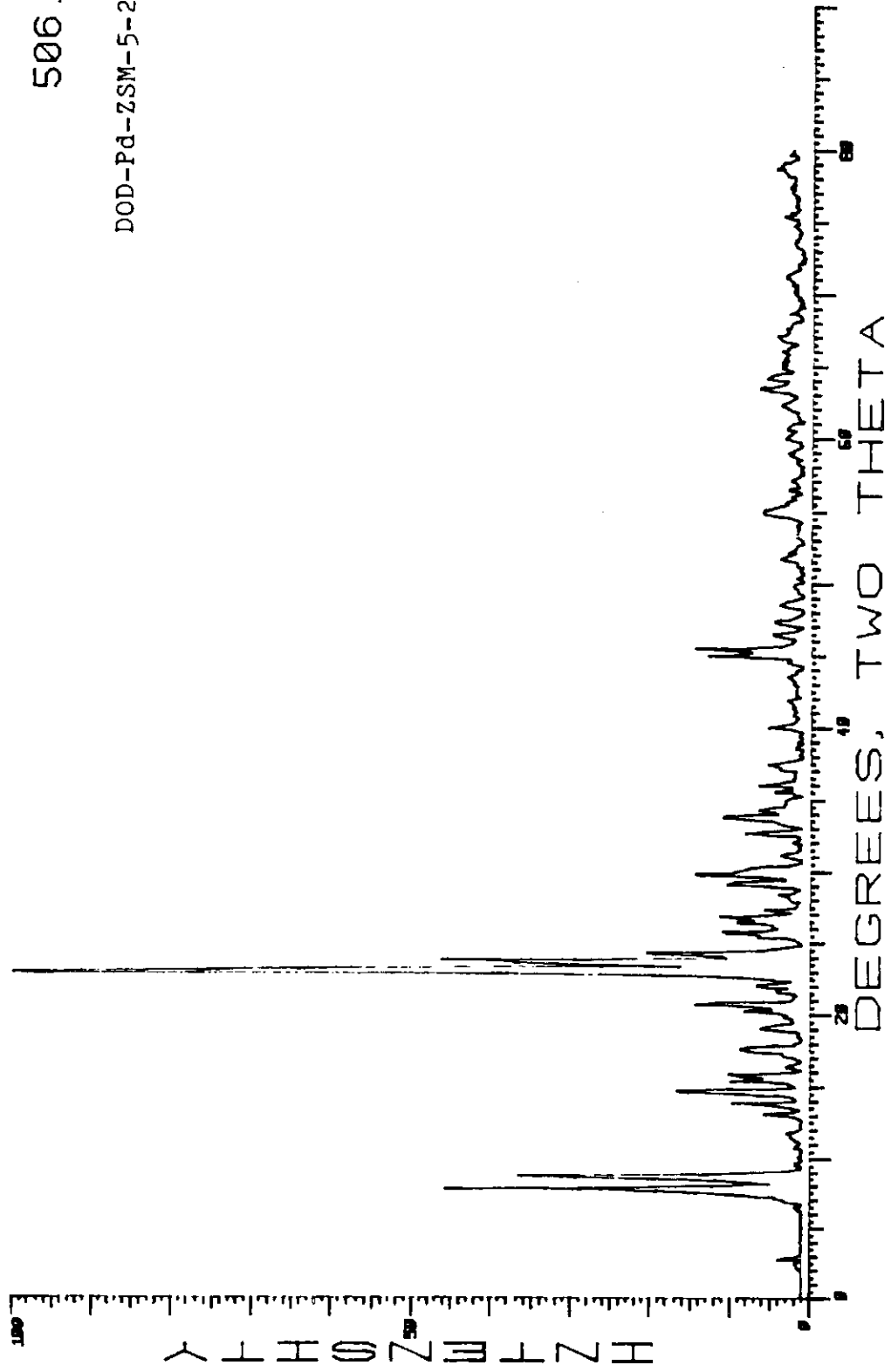
377.

DOD-Fe-ZSM-5-5



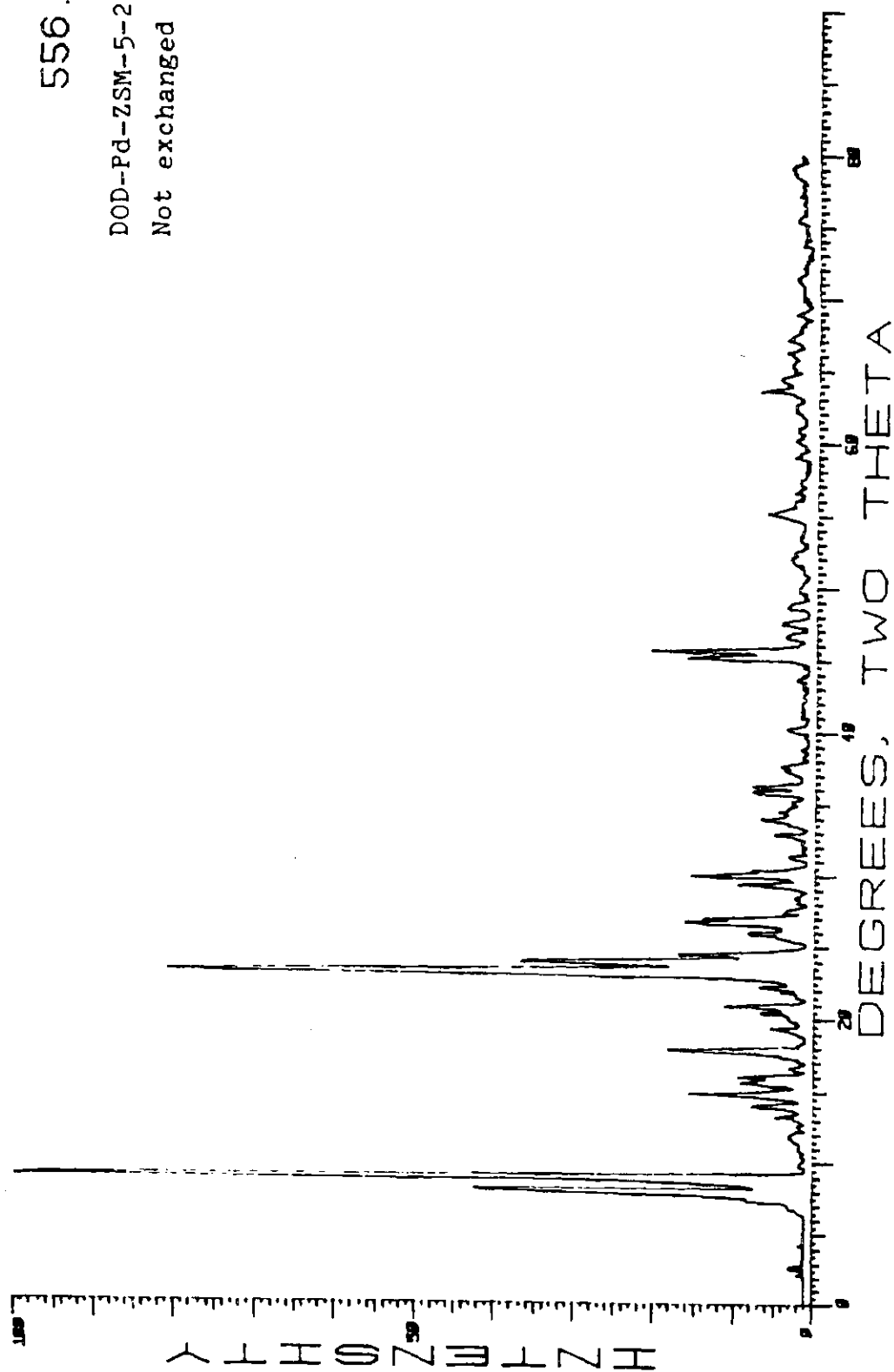
506 .

DOD-Pd-ZSM-5-2

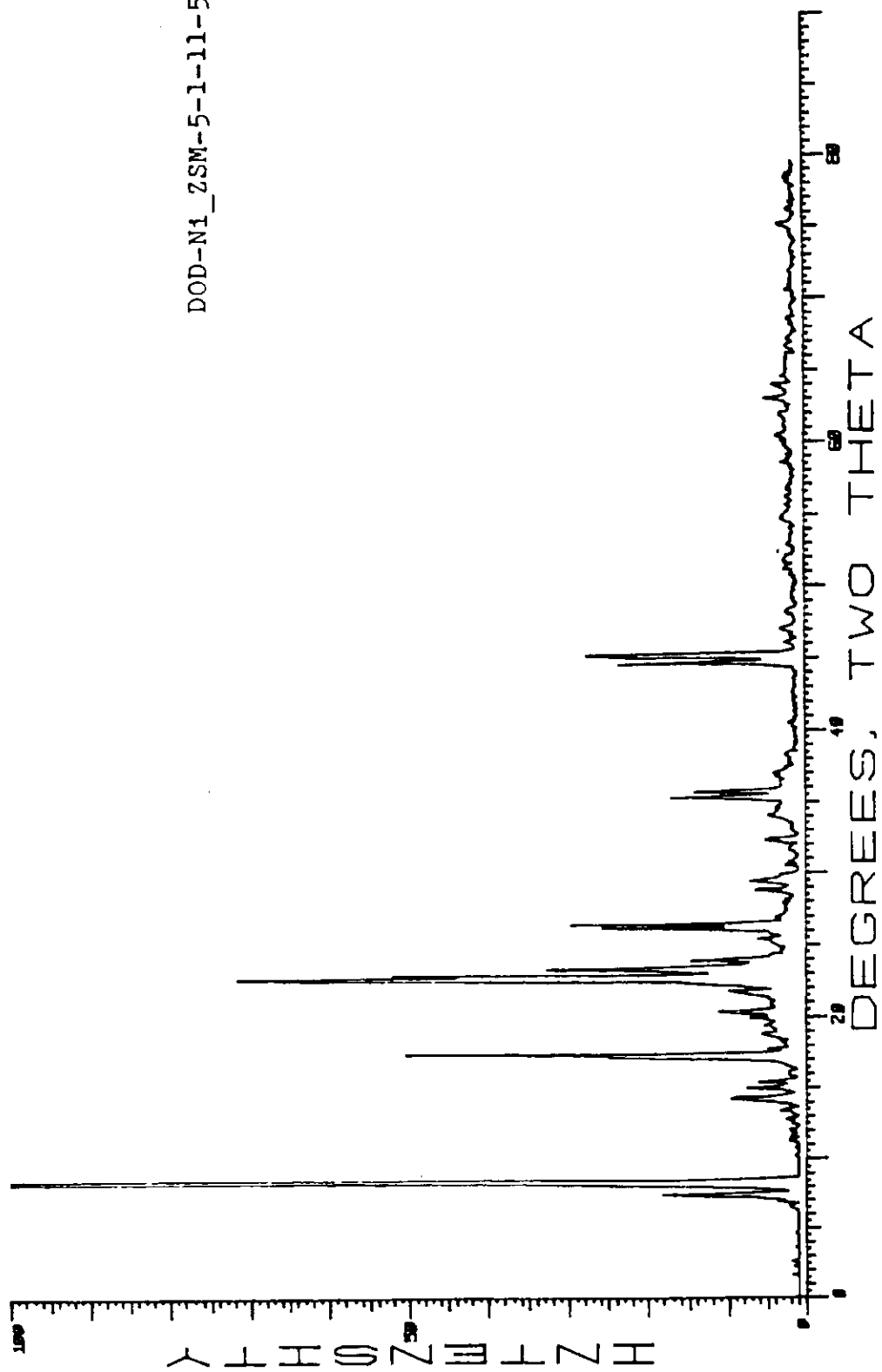


556.

DOD-Pd-ZSM-5-2  
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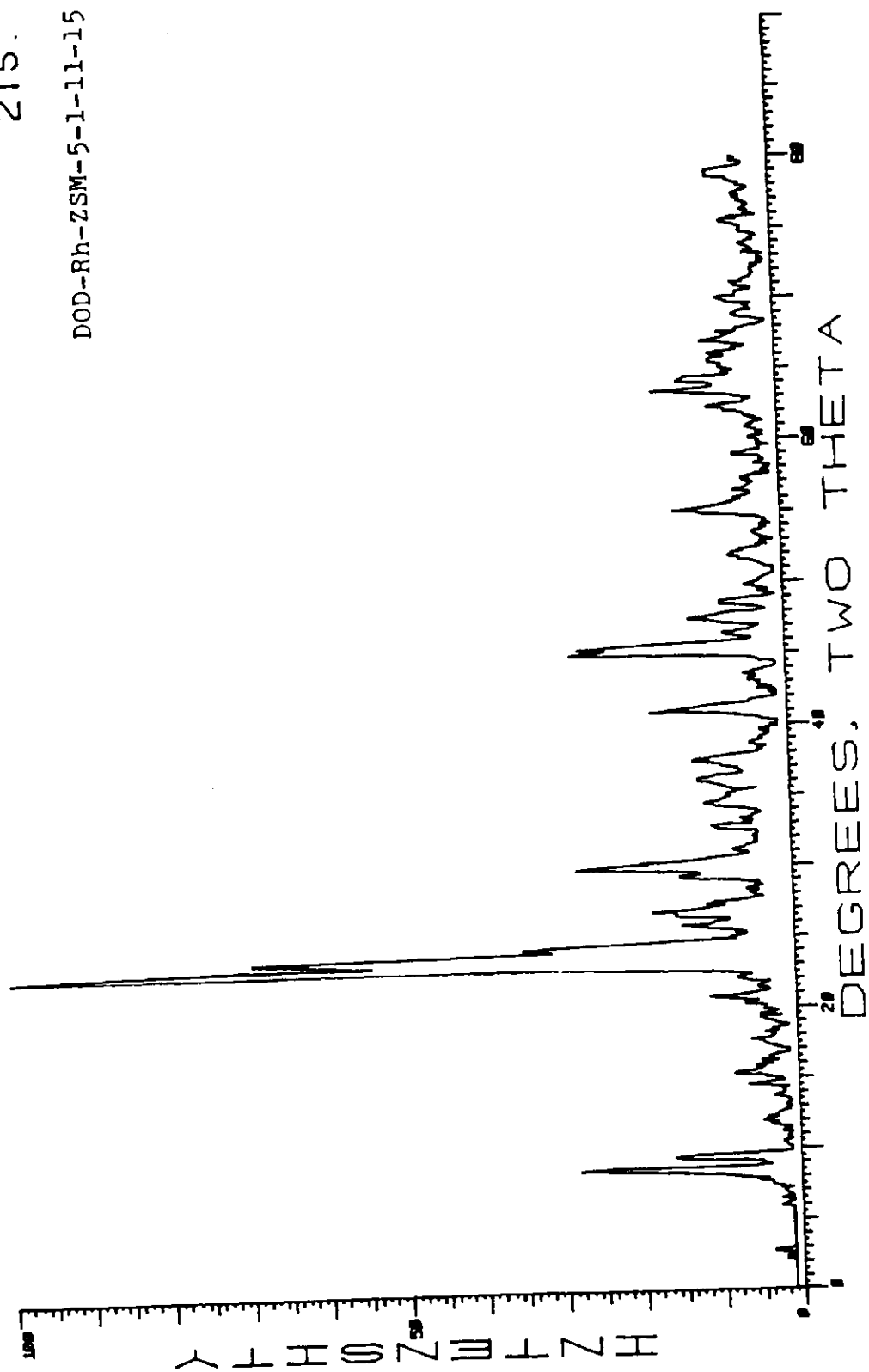


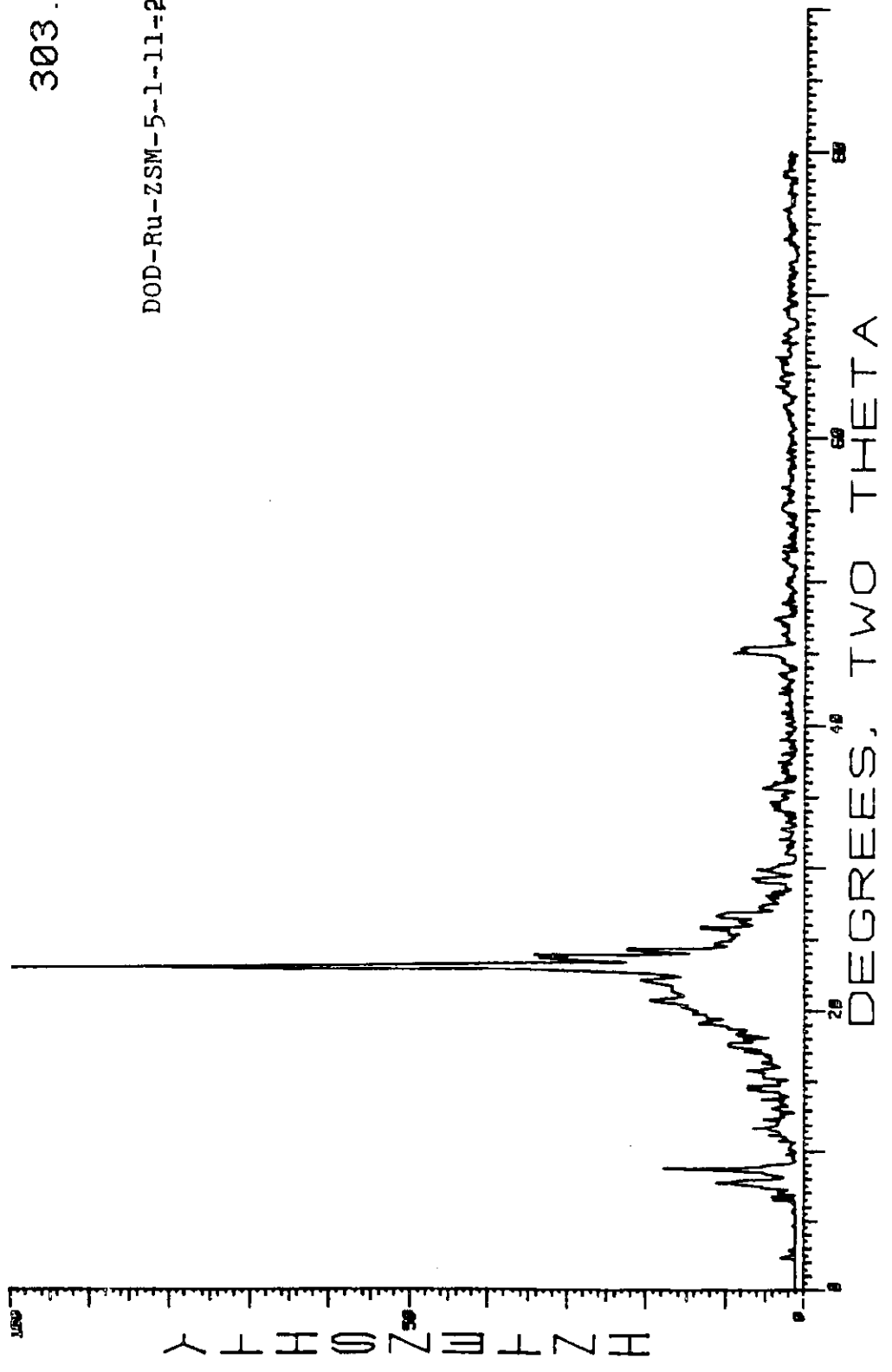
DOD-N1\_ZSM-5-1-11-5



215.

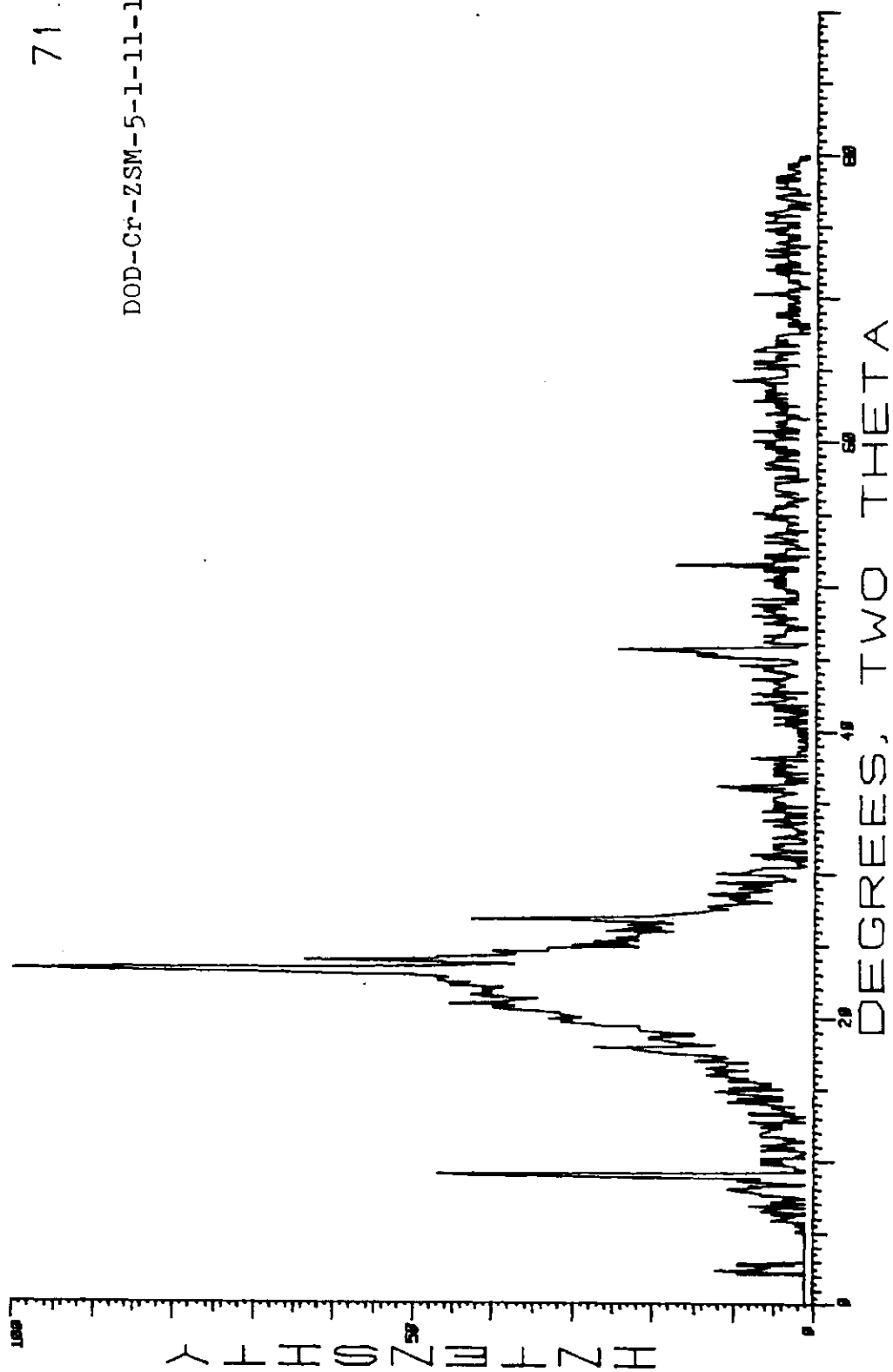
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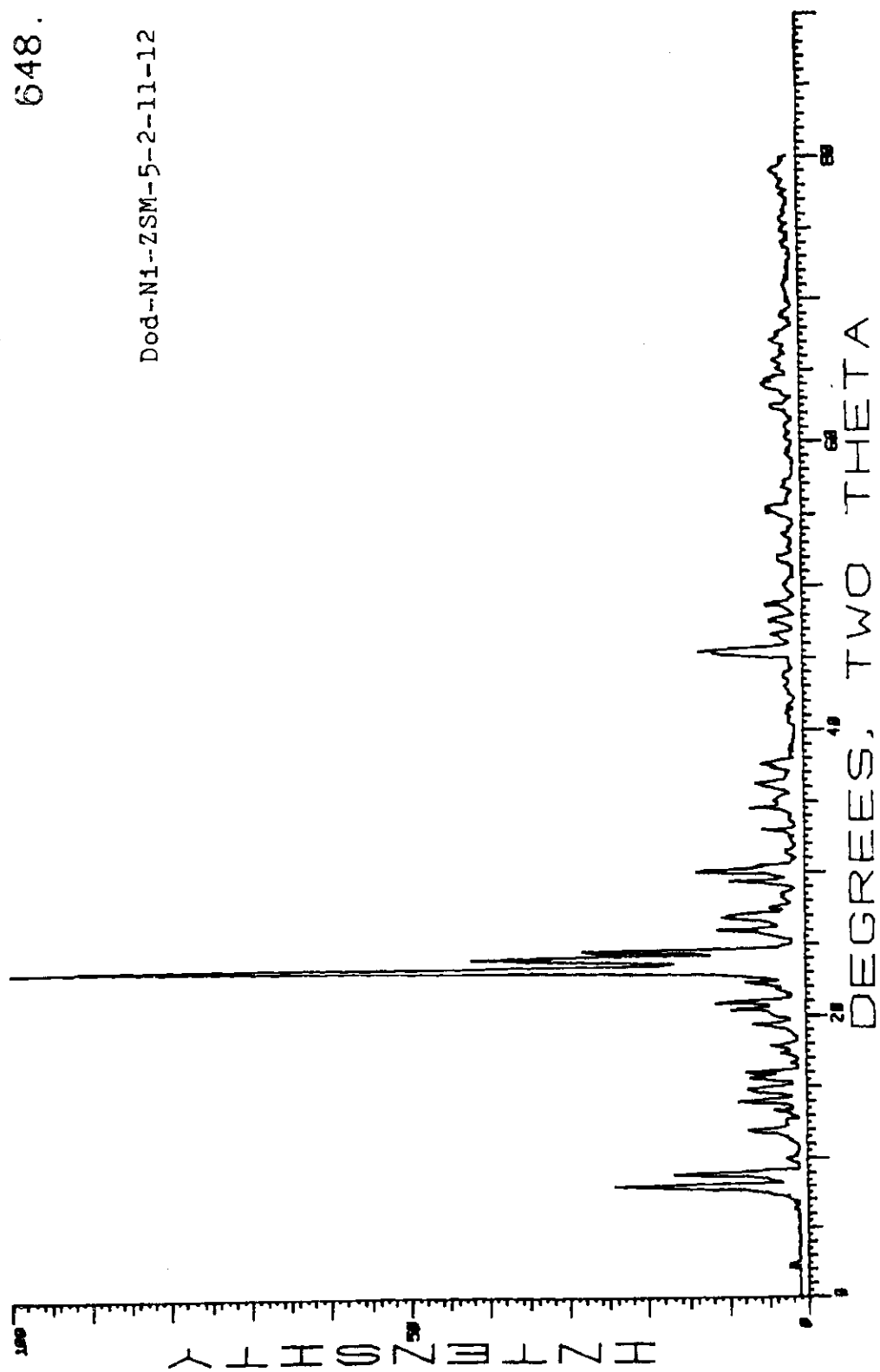
71

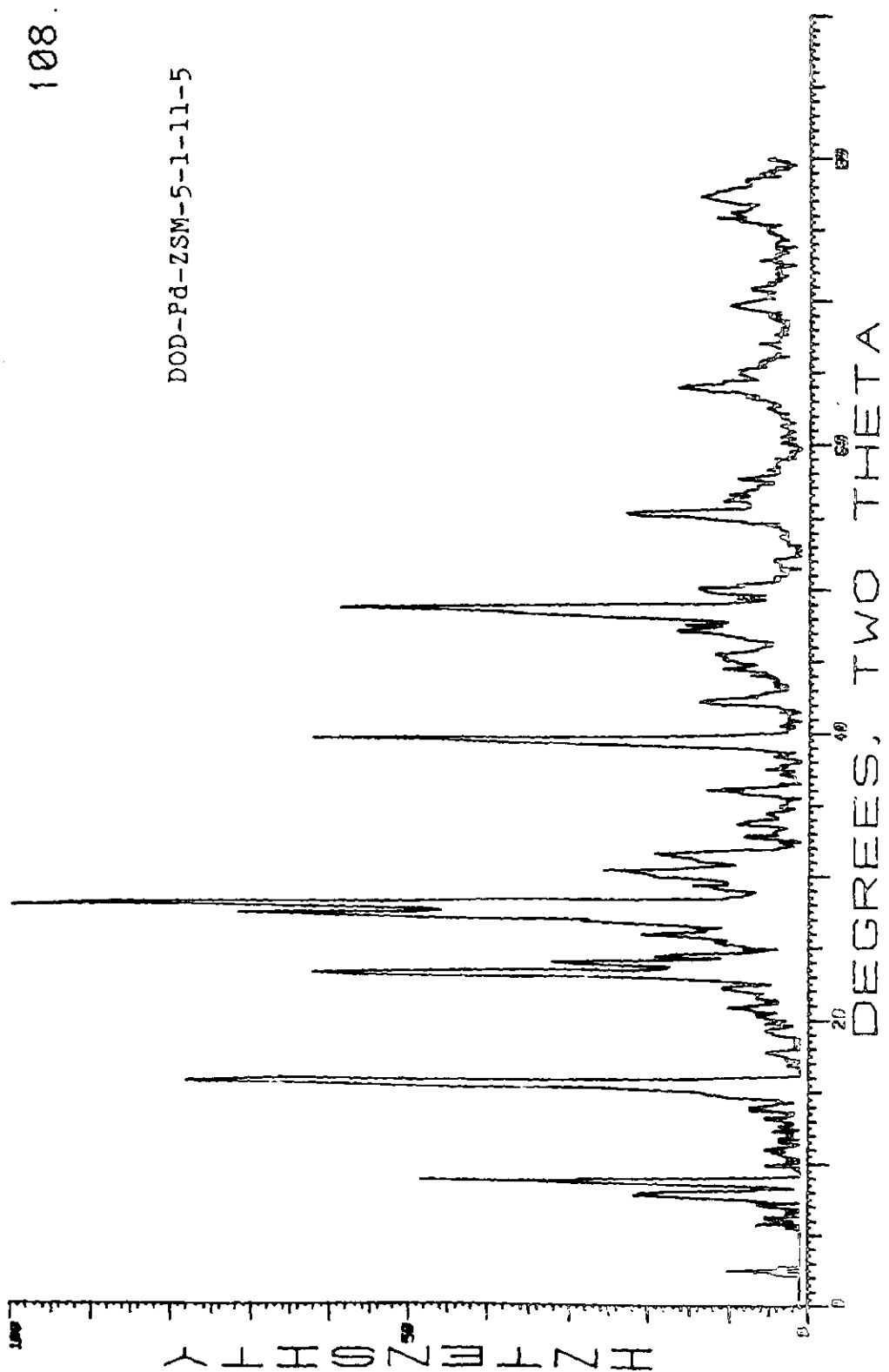
DOD-Cr-ZSM-5-1-11-12



648.

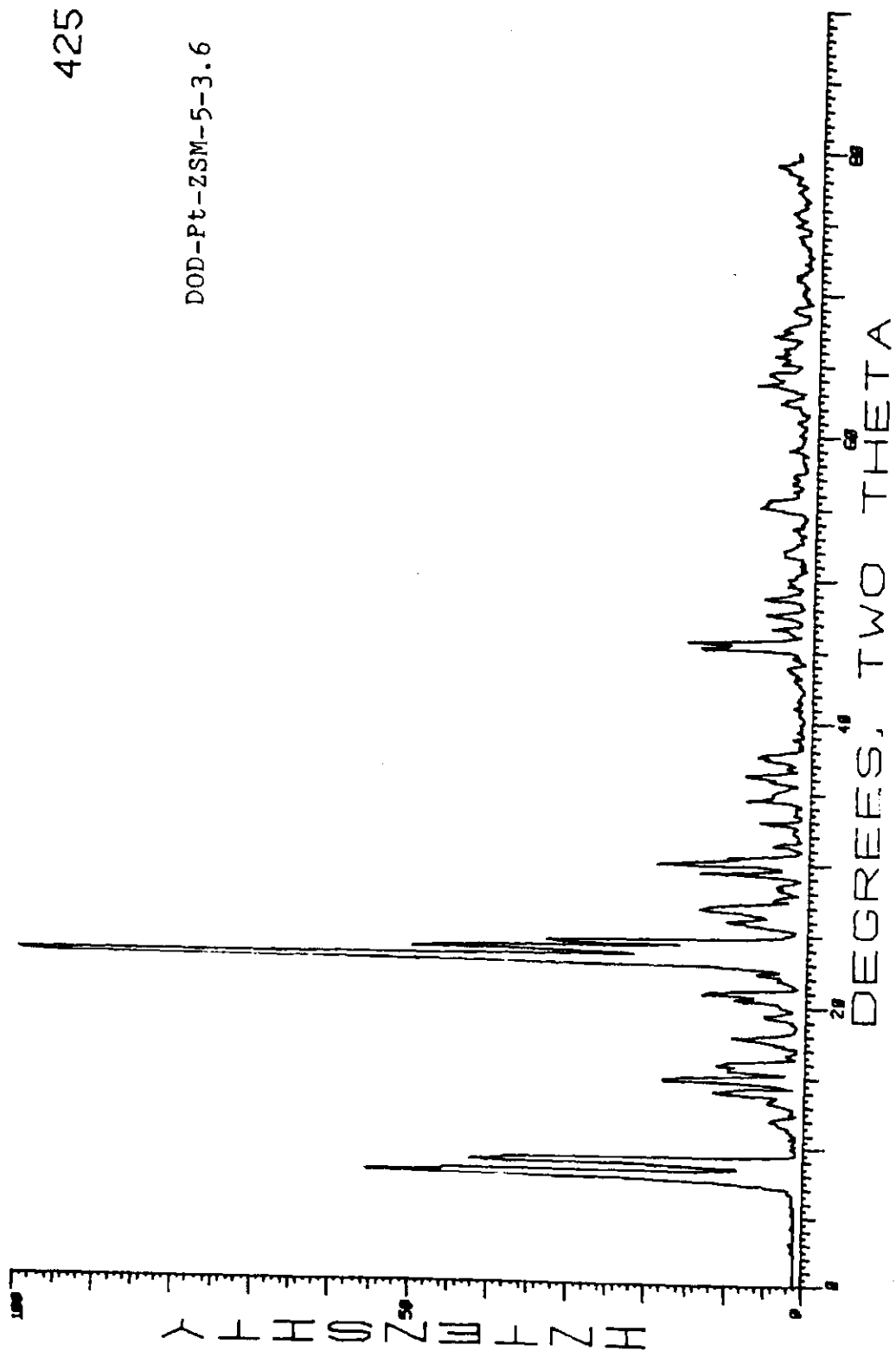
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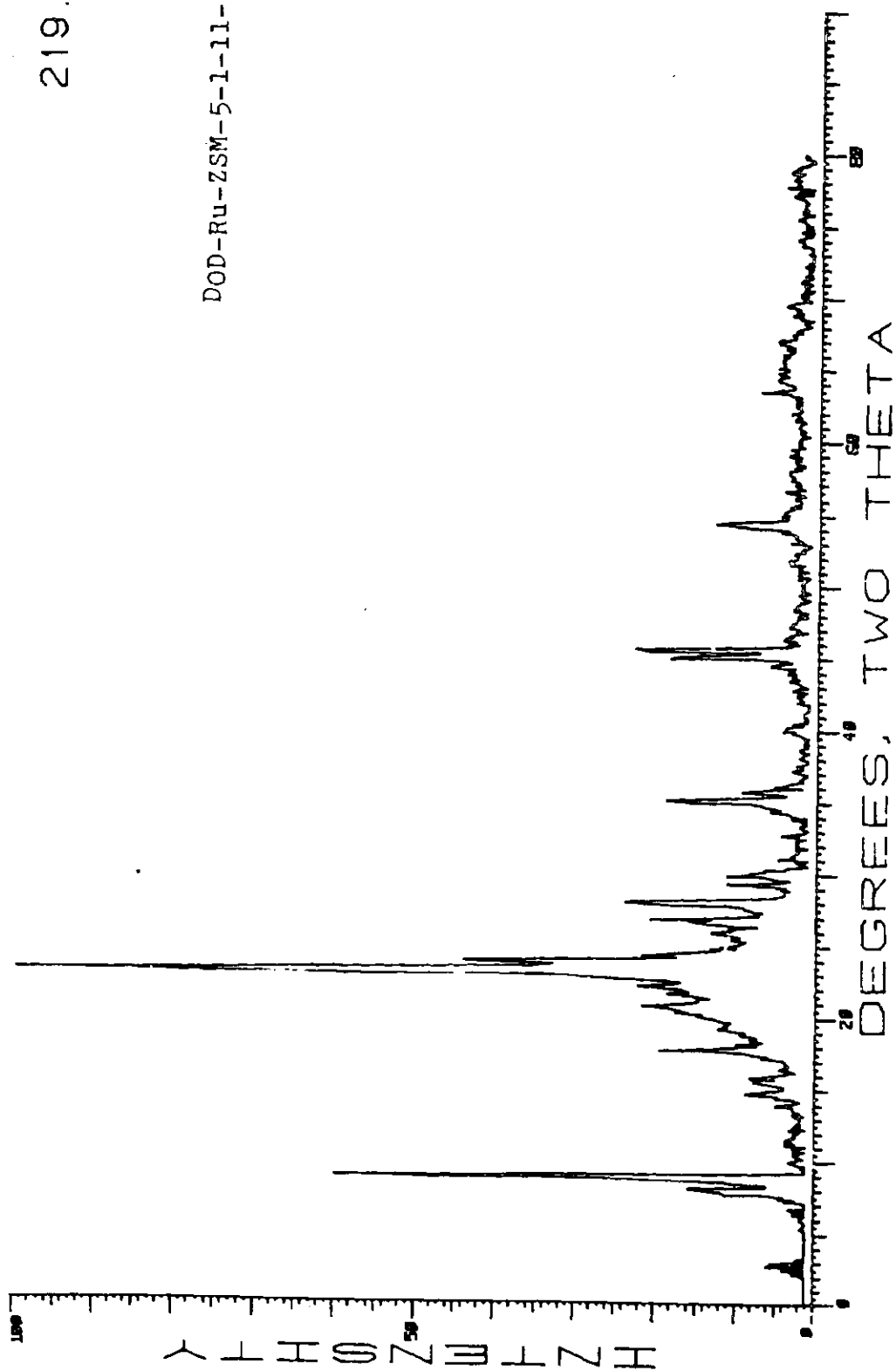
425.

DOD-Pt-ZSM-5-3.6



219.

DOD-Ru-ZSM-5-1-11-29



345.

DOD-Pt-INS-ZSM-5-1

