

Supporting Information

Evaluation of Constituents of *Piper retrofractum* Fruits on Neurotrophic Activity

Miwa Kubo,^{*,†} Rina Ishii,[†] Yoichi Ishino,[†] Kenichi Harada,[†] Nobuaki Matsui,[†]
Masaaki Akagi,[†] Eishin Kato,[‡] Shinya Hosoda,[‡] and Yoshiyasu Fukuyama^{*,†}

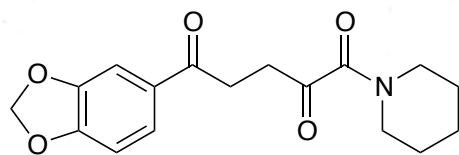
[†] Faculty of Pharmaceutical Sciences, Tokushima Bunri University, Yamashiro-cho,
Tokushima 770-8514, Japan

[‡] Hosoda SHC Co. Ltd., 3-2-21 Miyuki, Fukui 910-0854, Japan

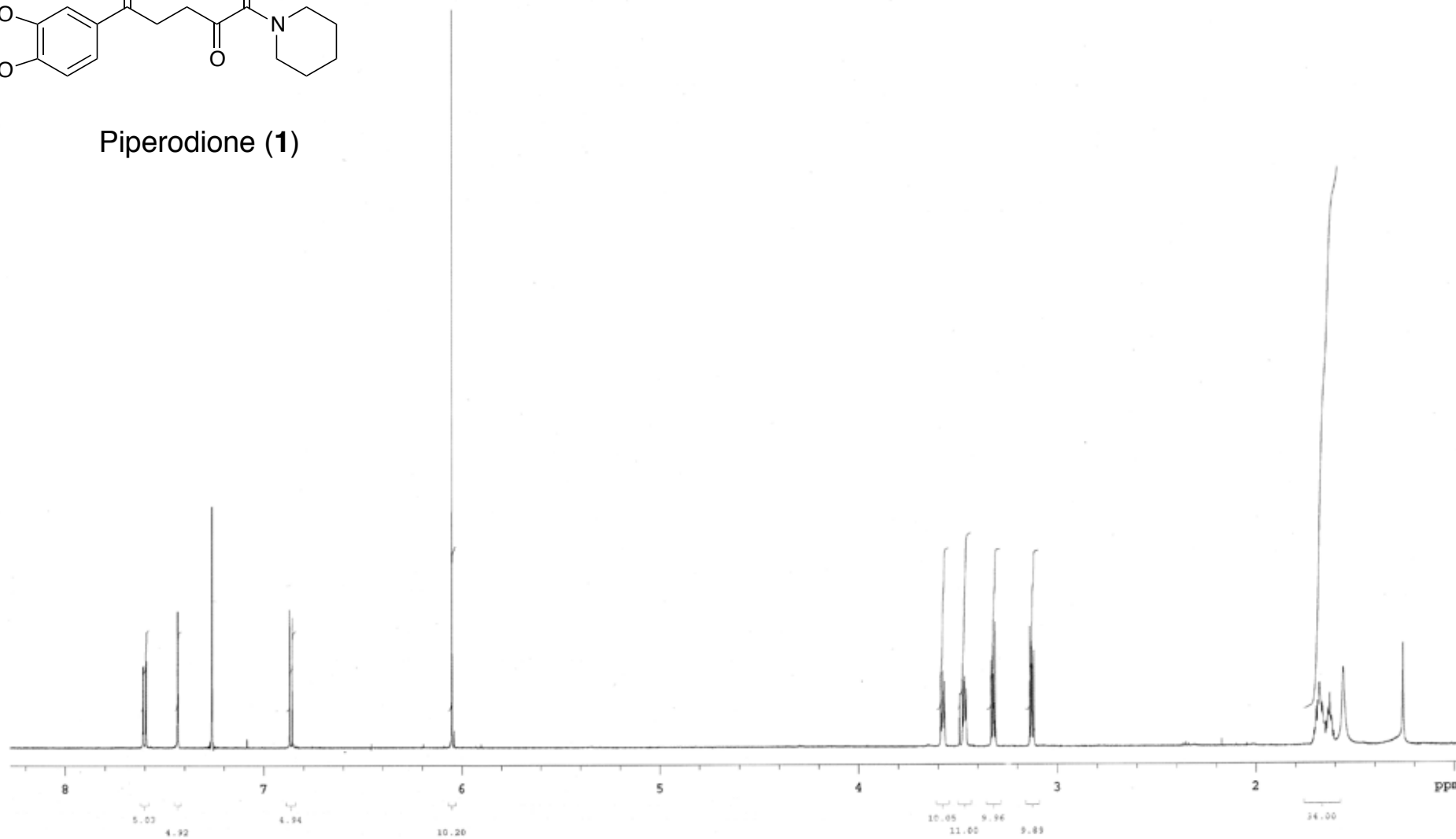
e-mail : miwa-k@ph.bunri-u.ac.jp, fukuyama@ph.bunri-u.ac.jp

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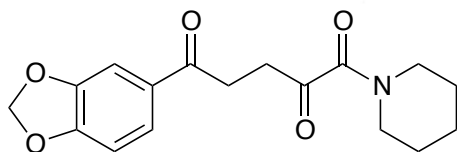
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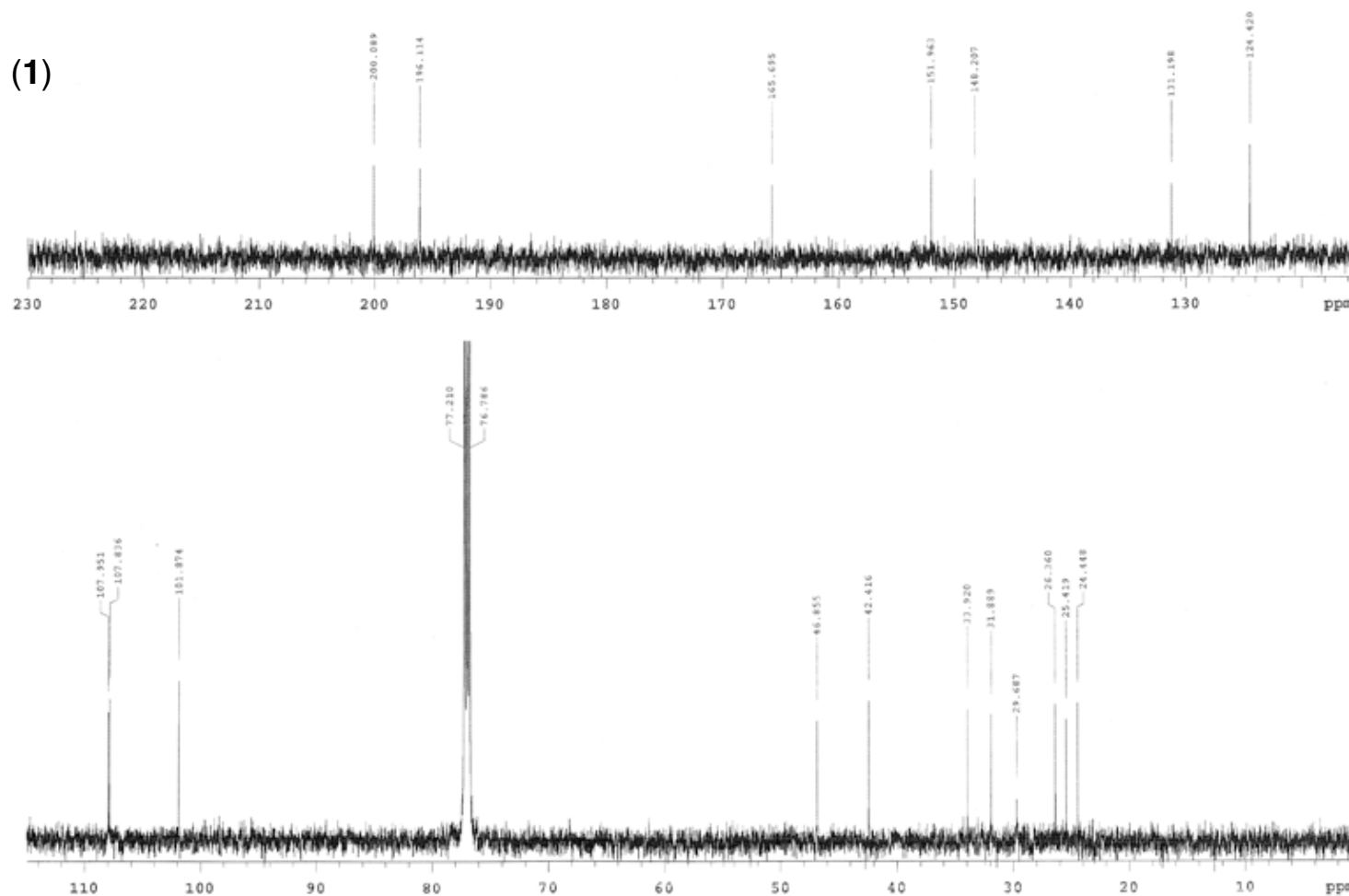
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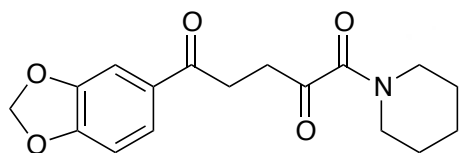
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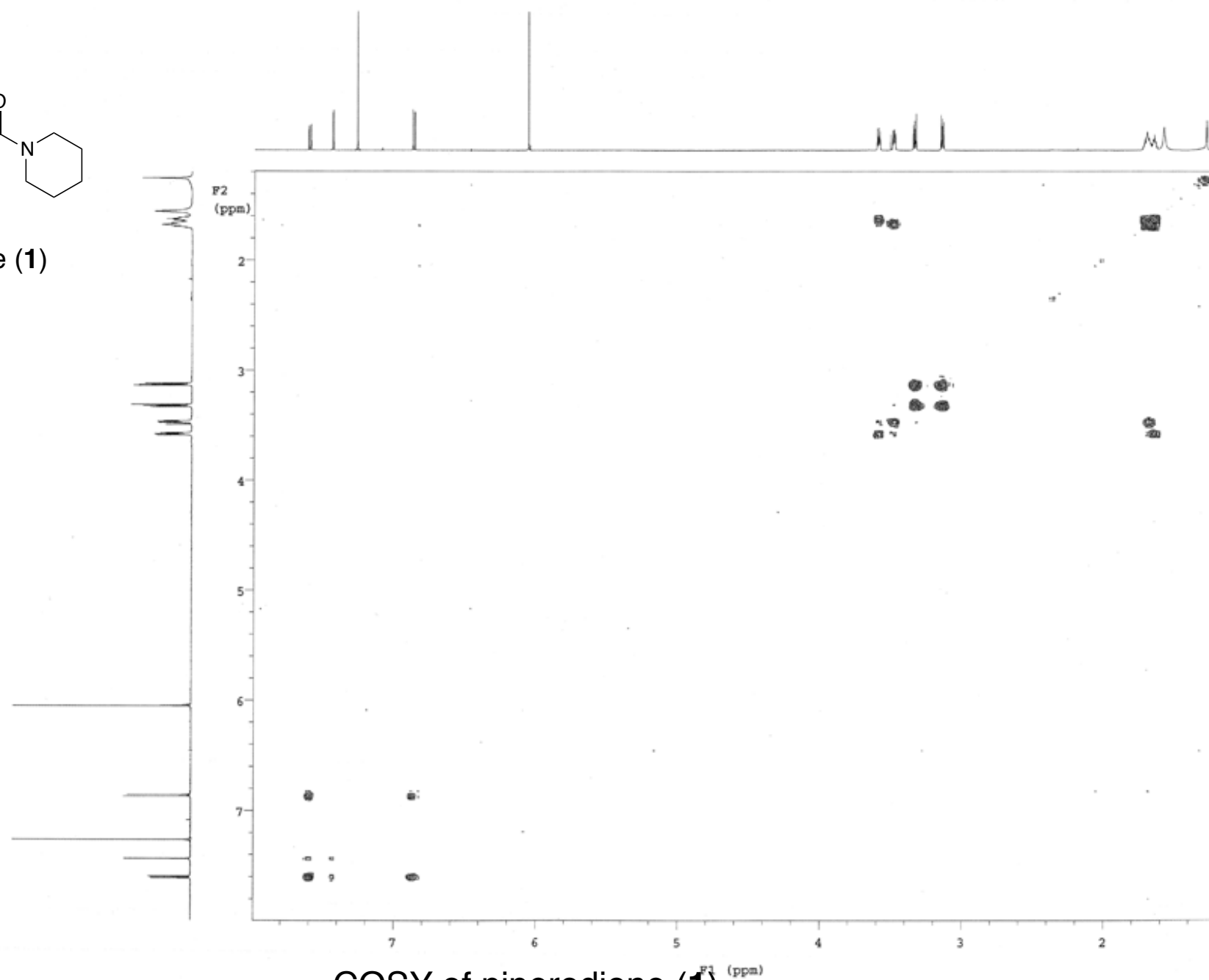
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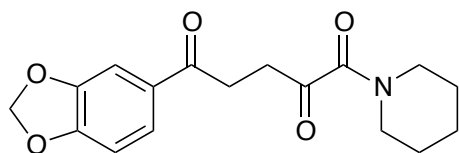
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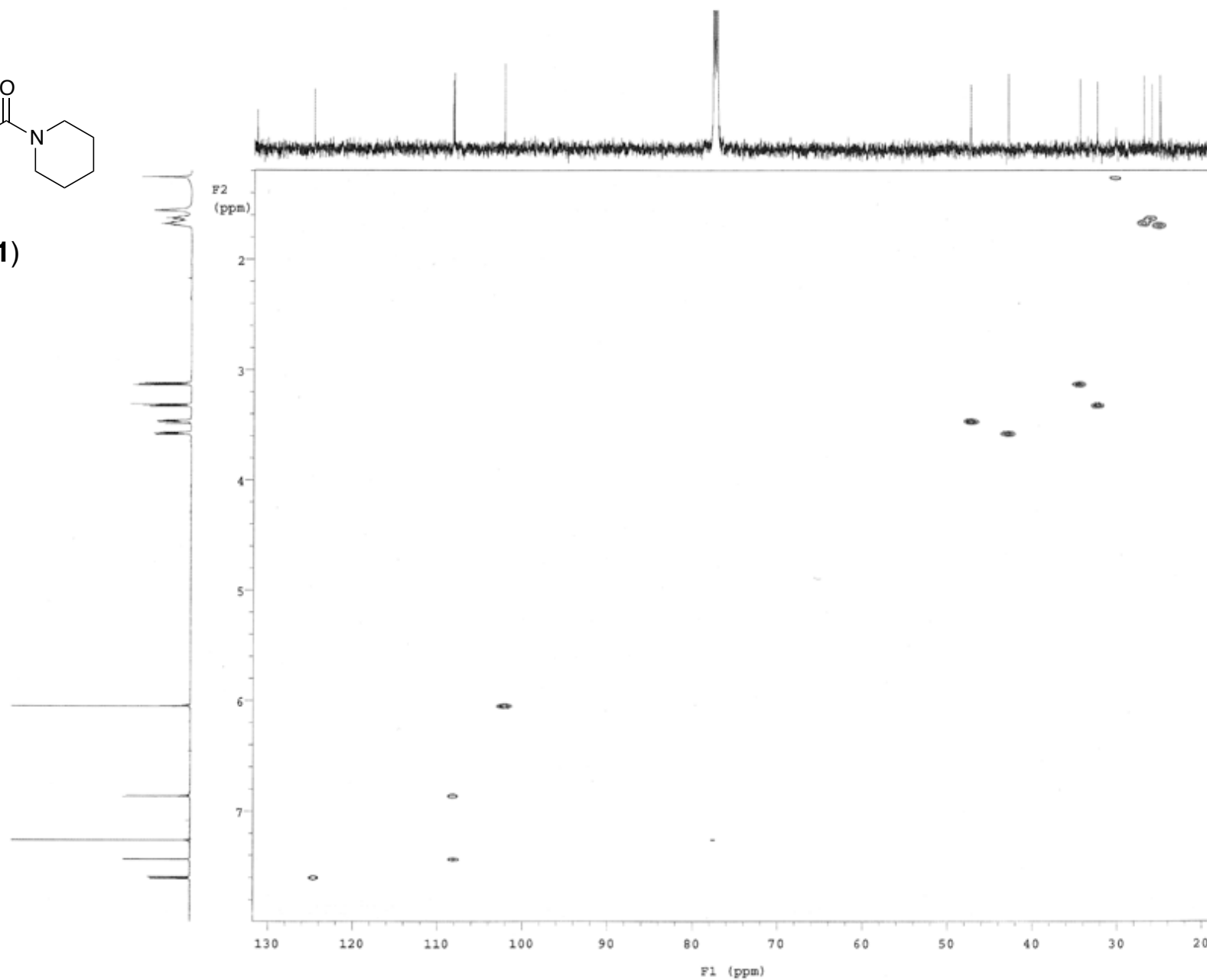
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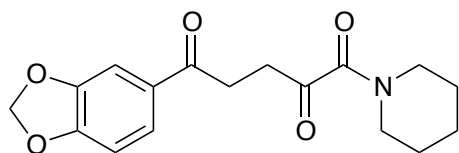
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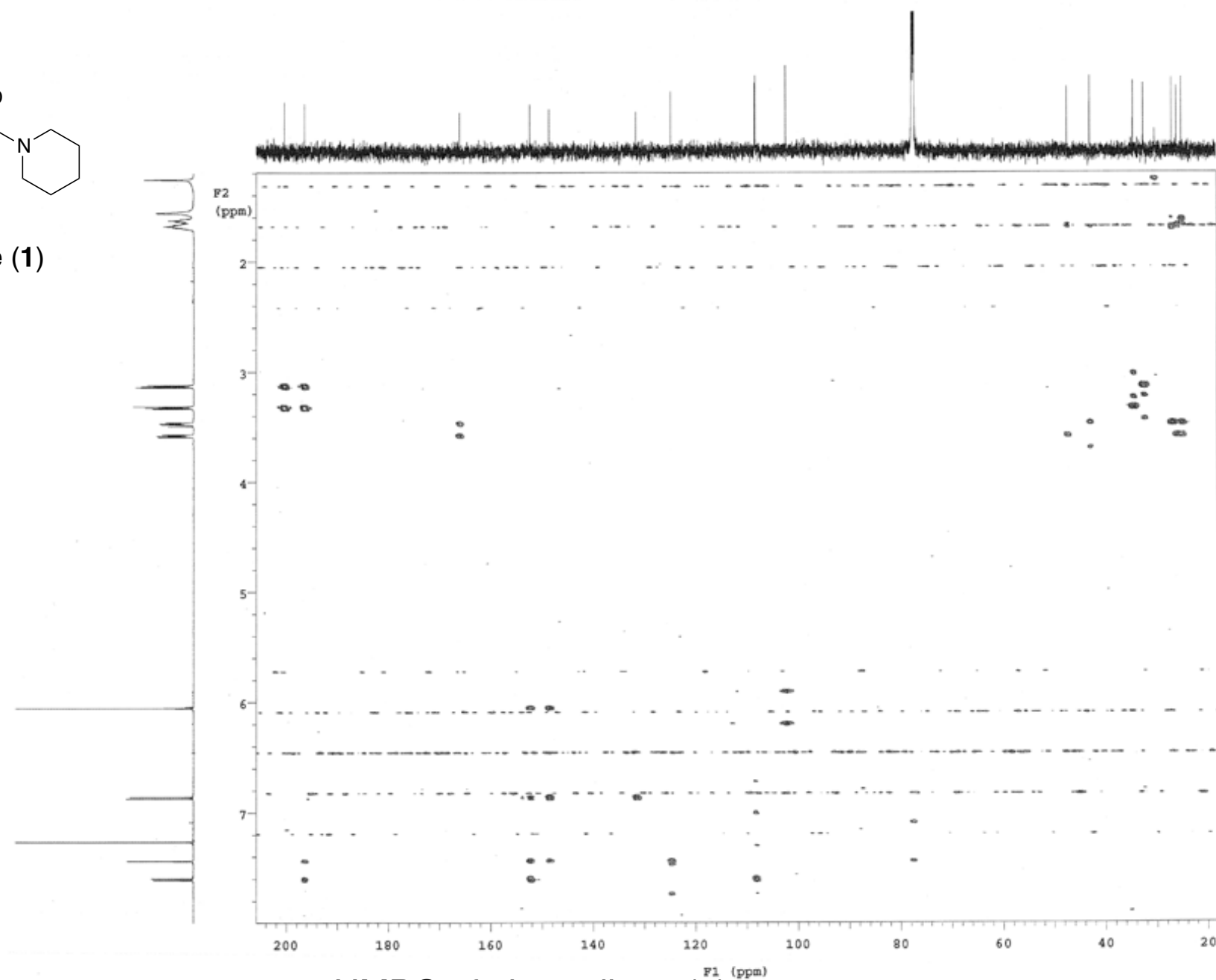
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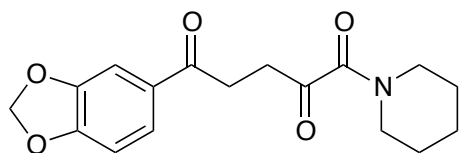
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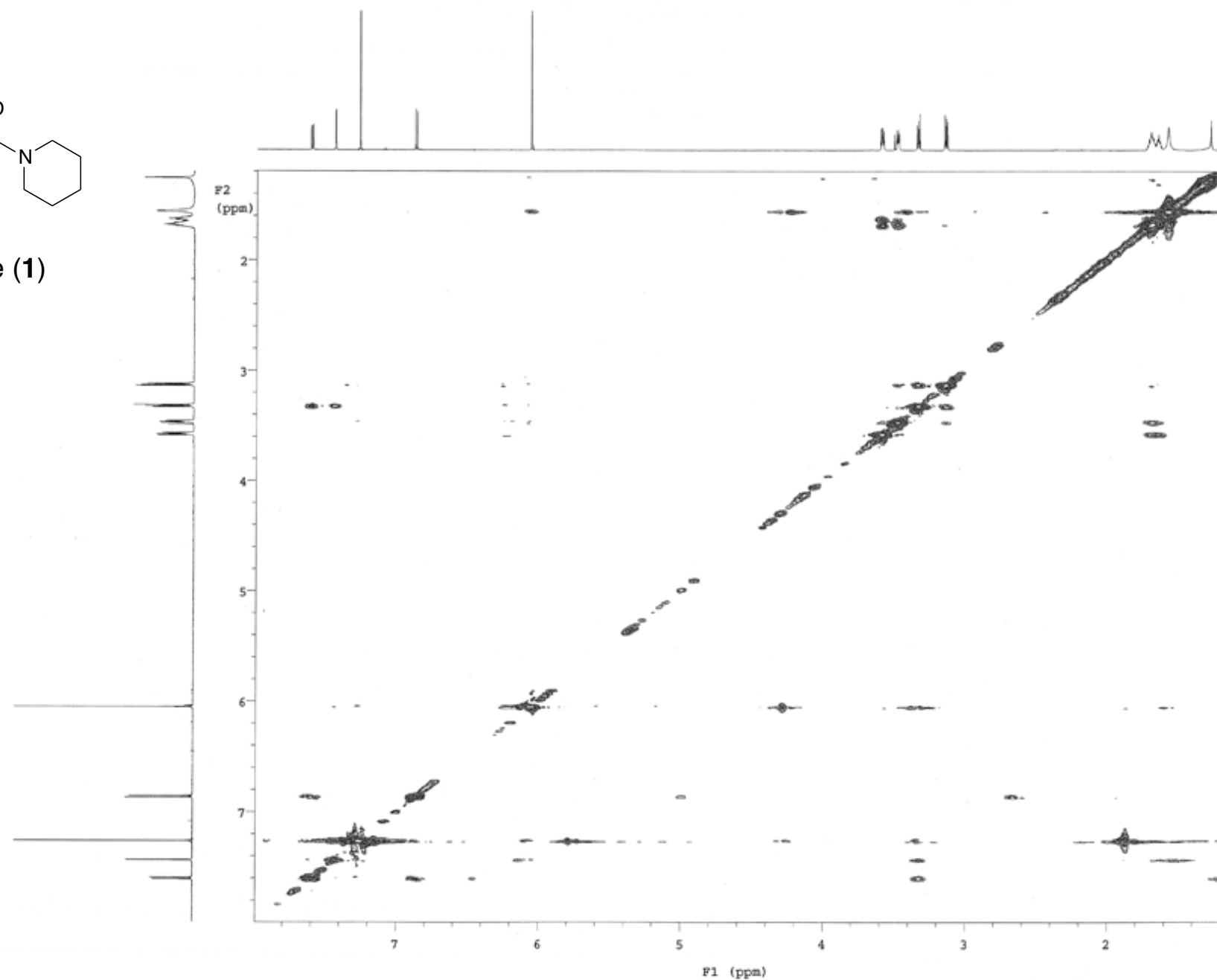
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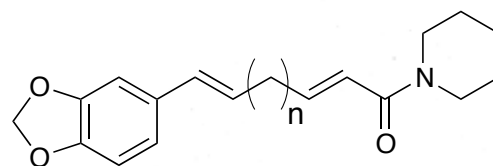
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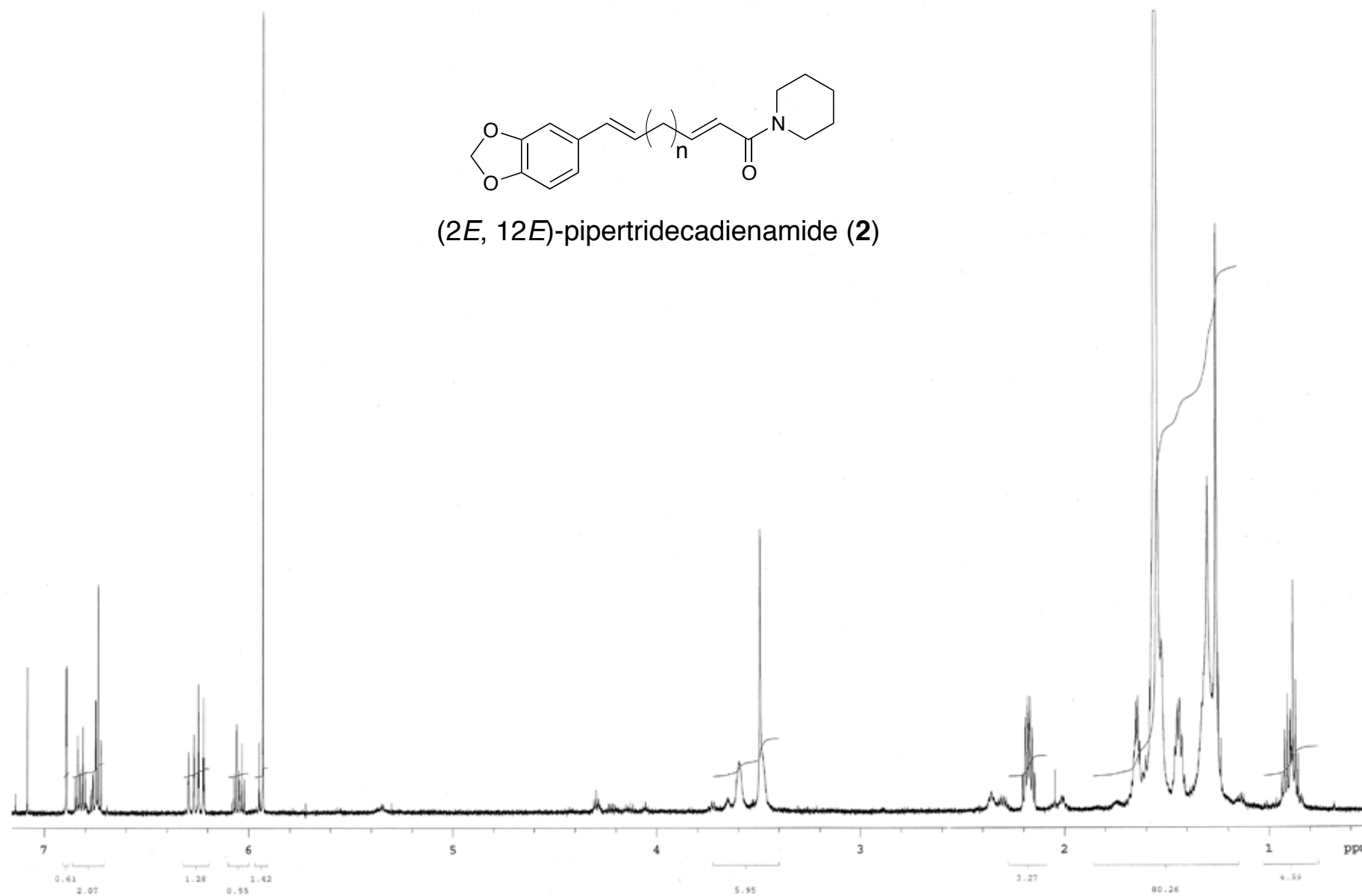
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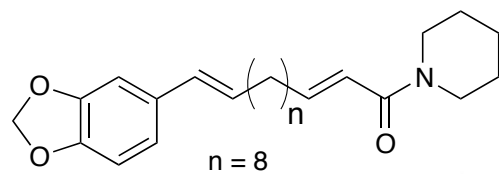
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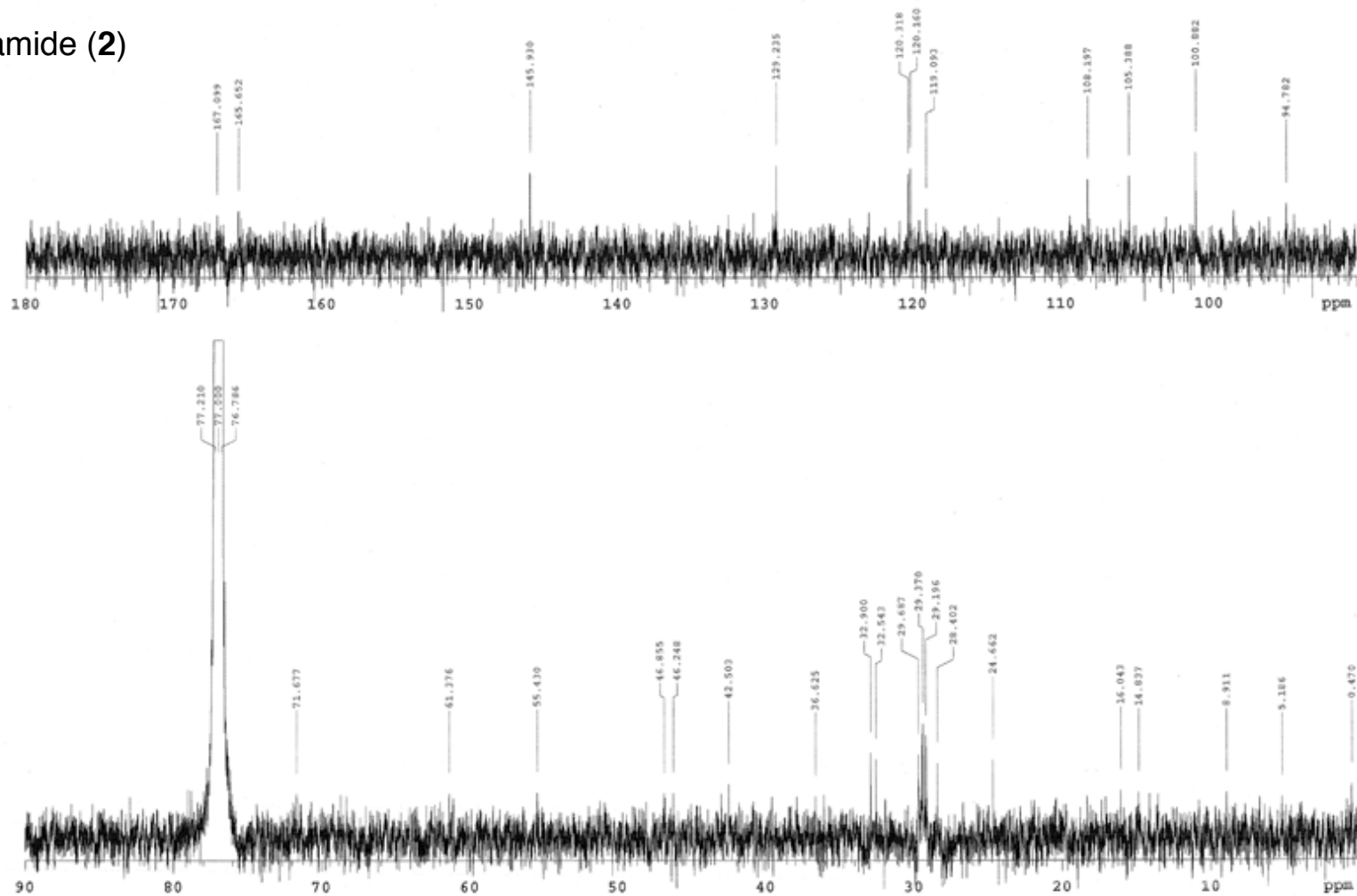
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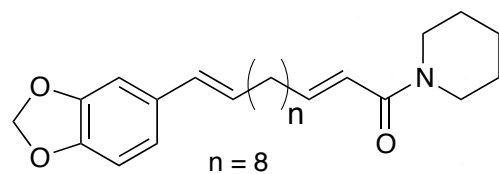
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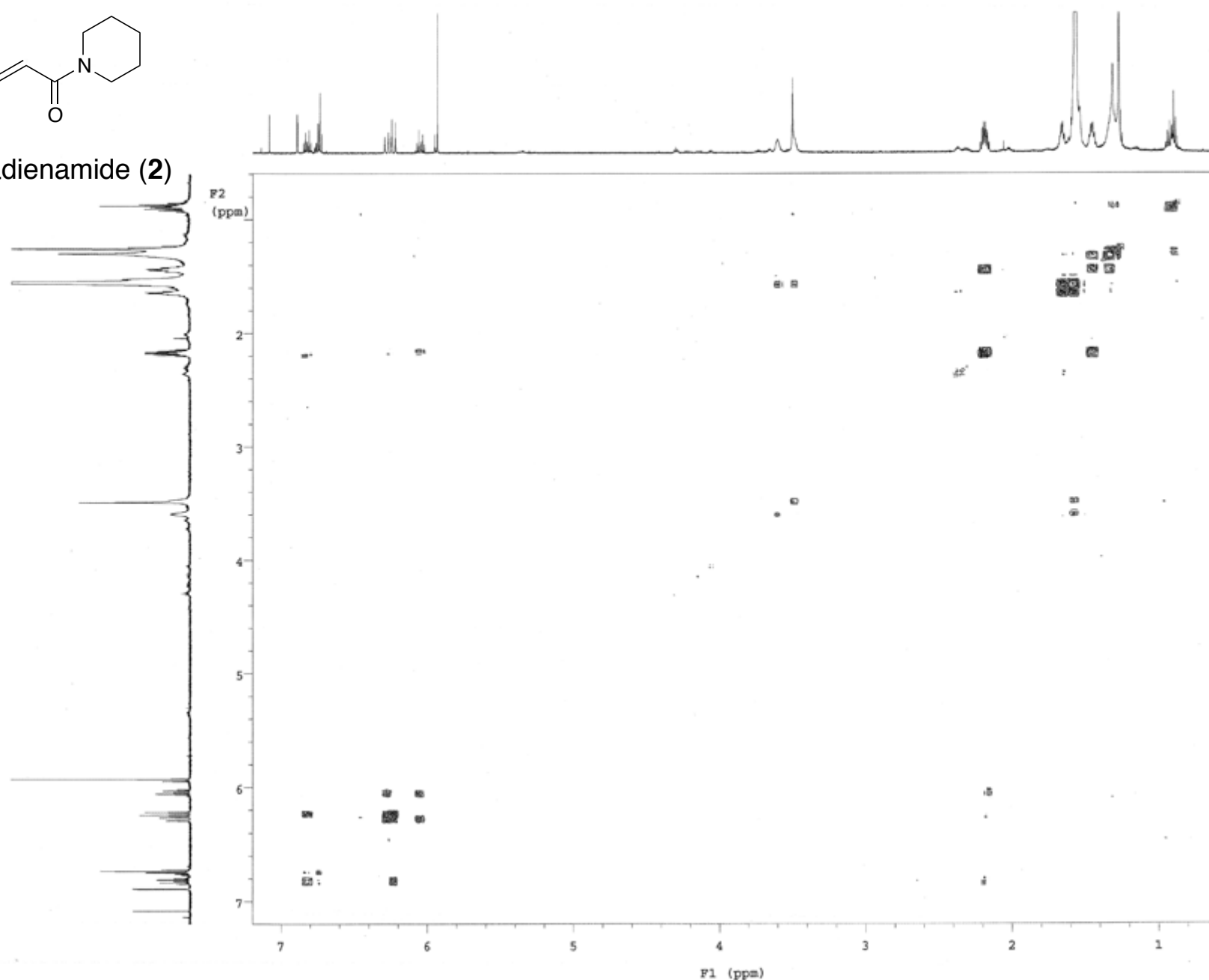
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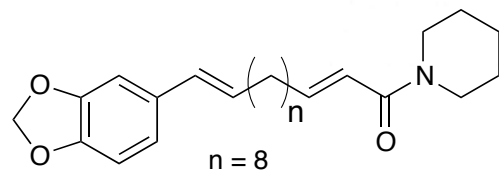
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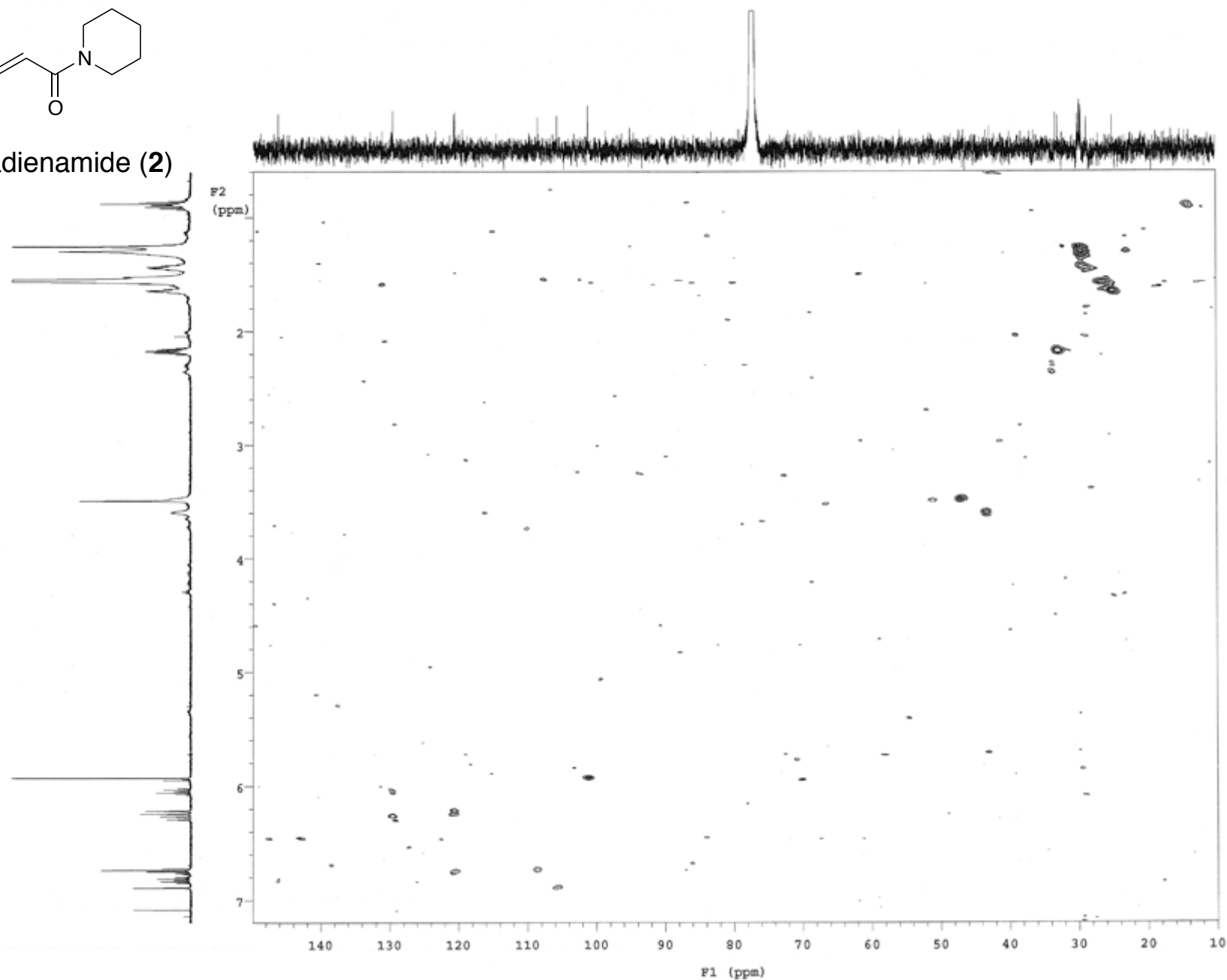
(2*E*, 12*E*)-pipertridecadienamide (**2**)



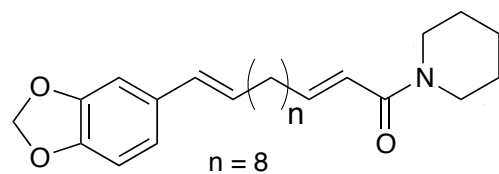
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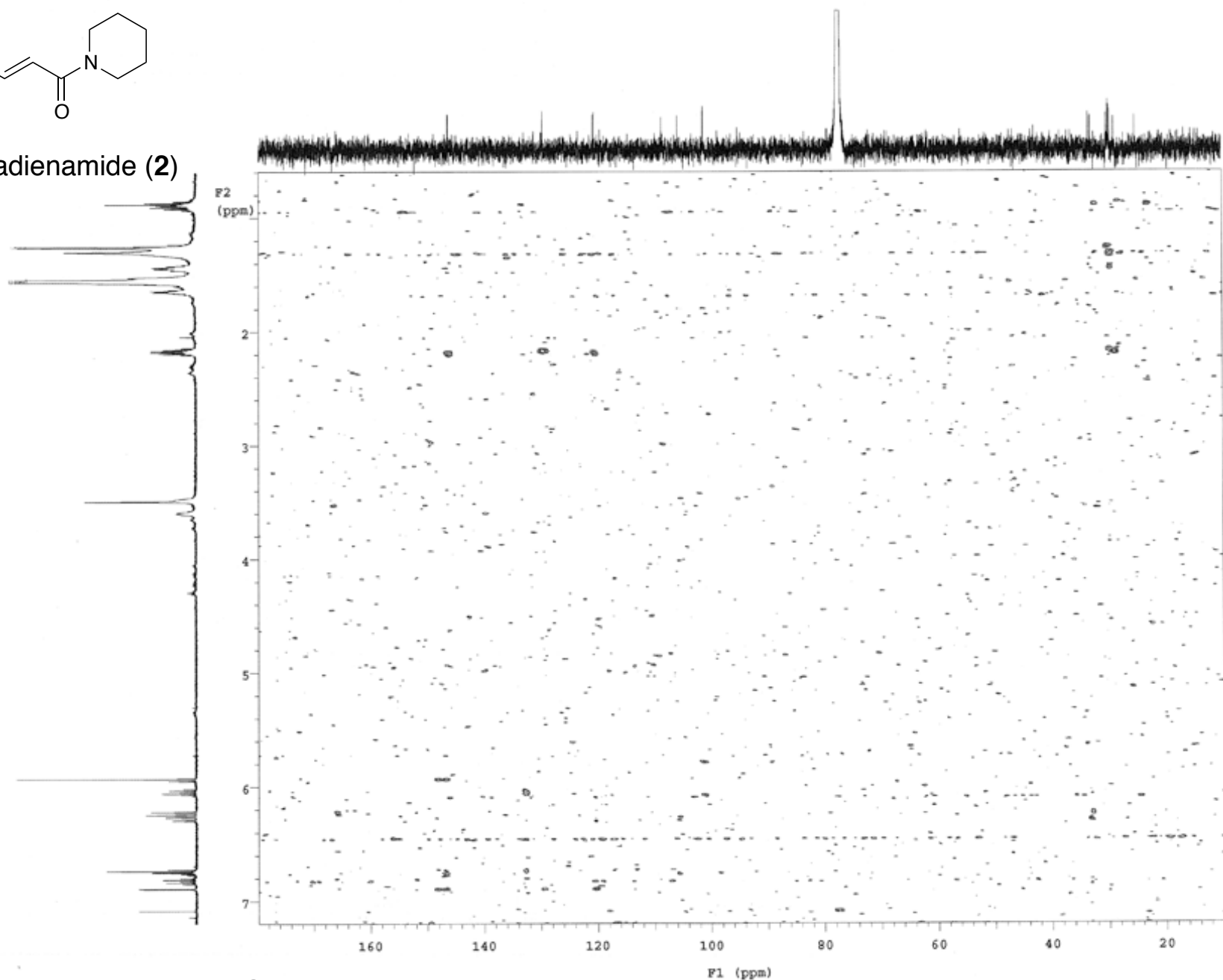
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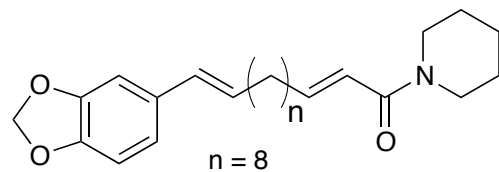
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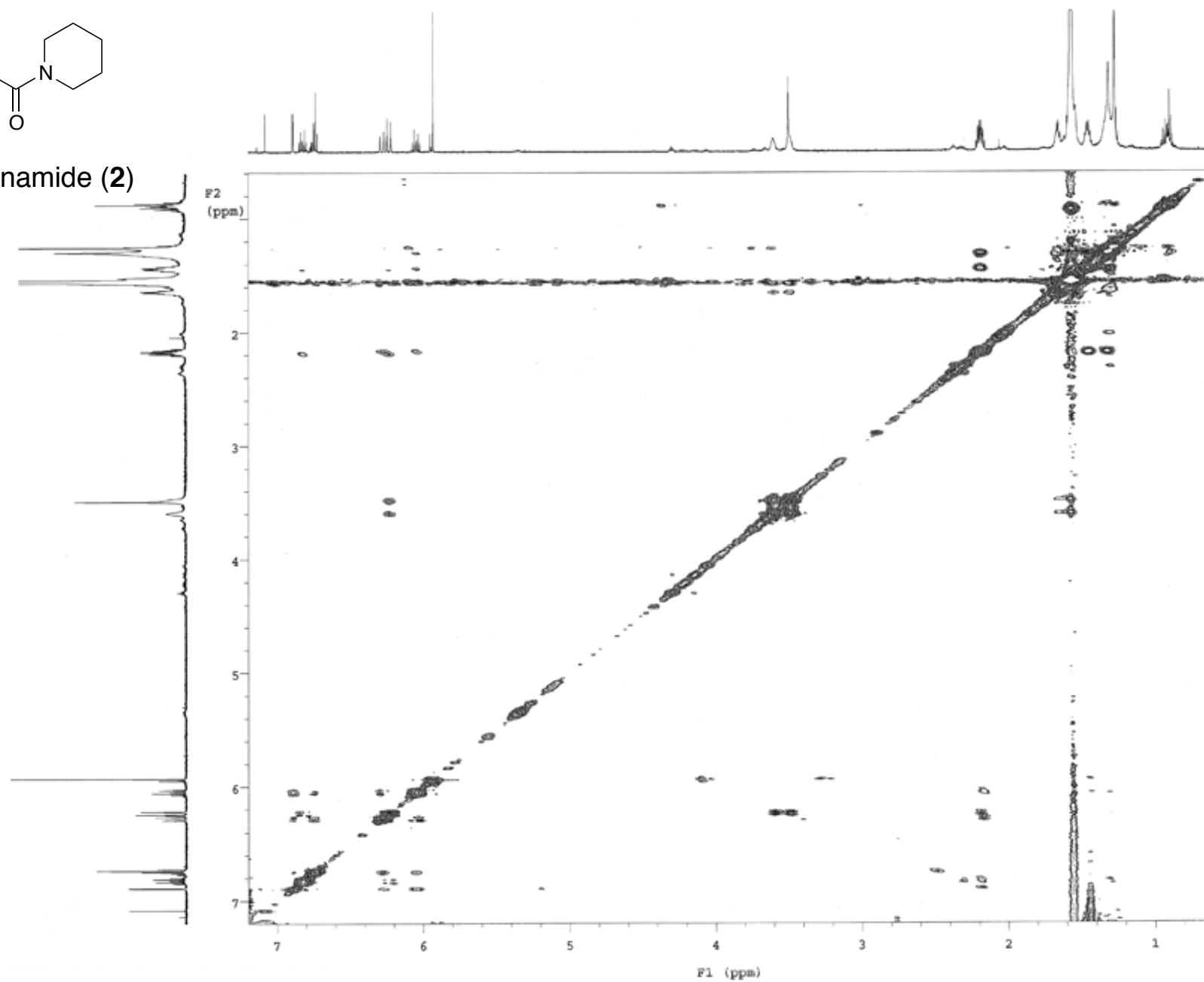
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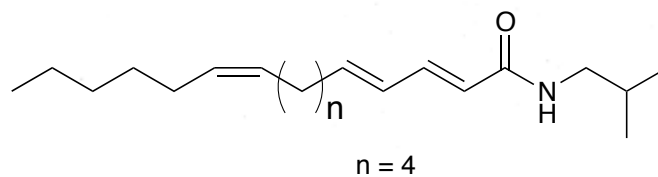
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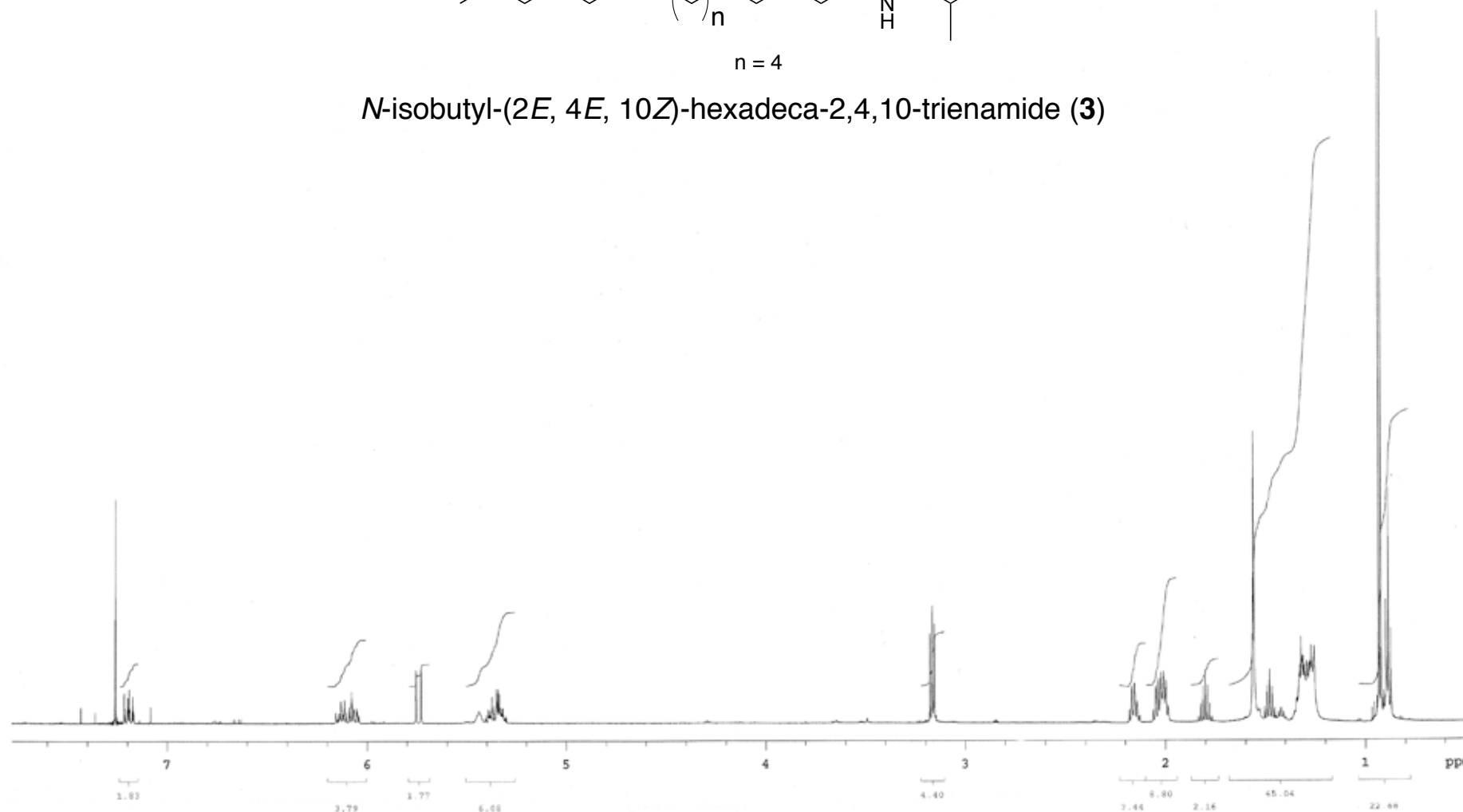
(2*E*, 12*E*)-pipertridecadienamide (**2**)



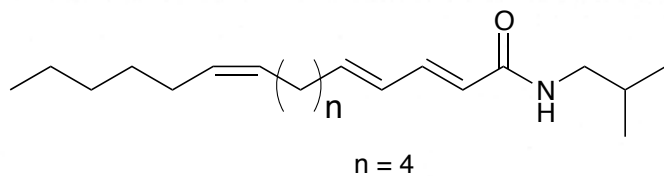
NOESY of (2*E*, 12*E*)-pipertridecadienamide (**2**)



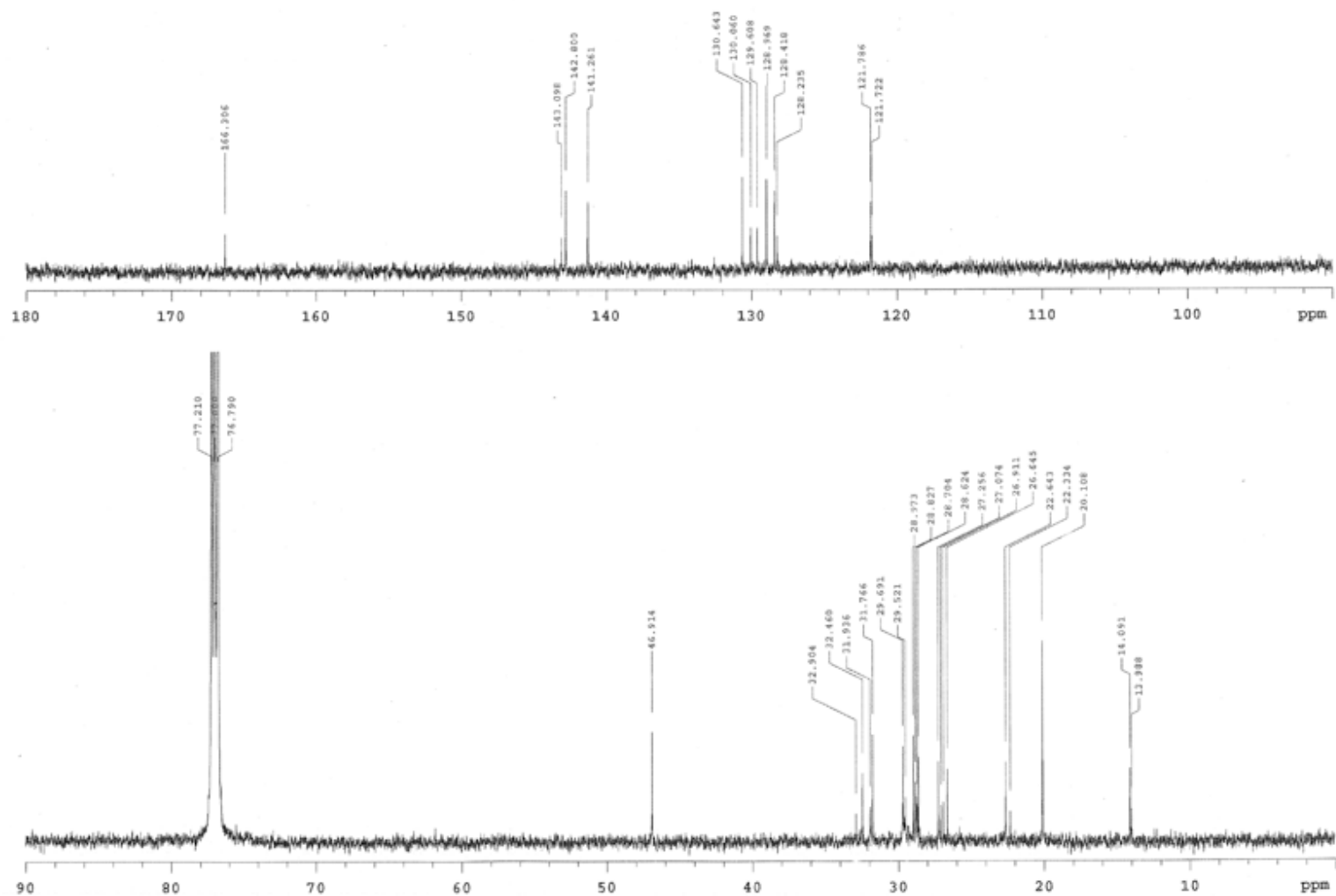
N-isobutyl-(2*E*, 4*E*, 10*Z*)-hexadeca-2,4,10-trienamide (**3**)



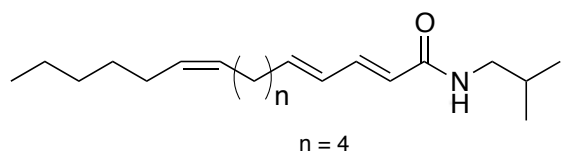
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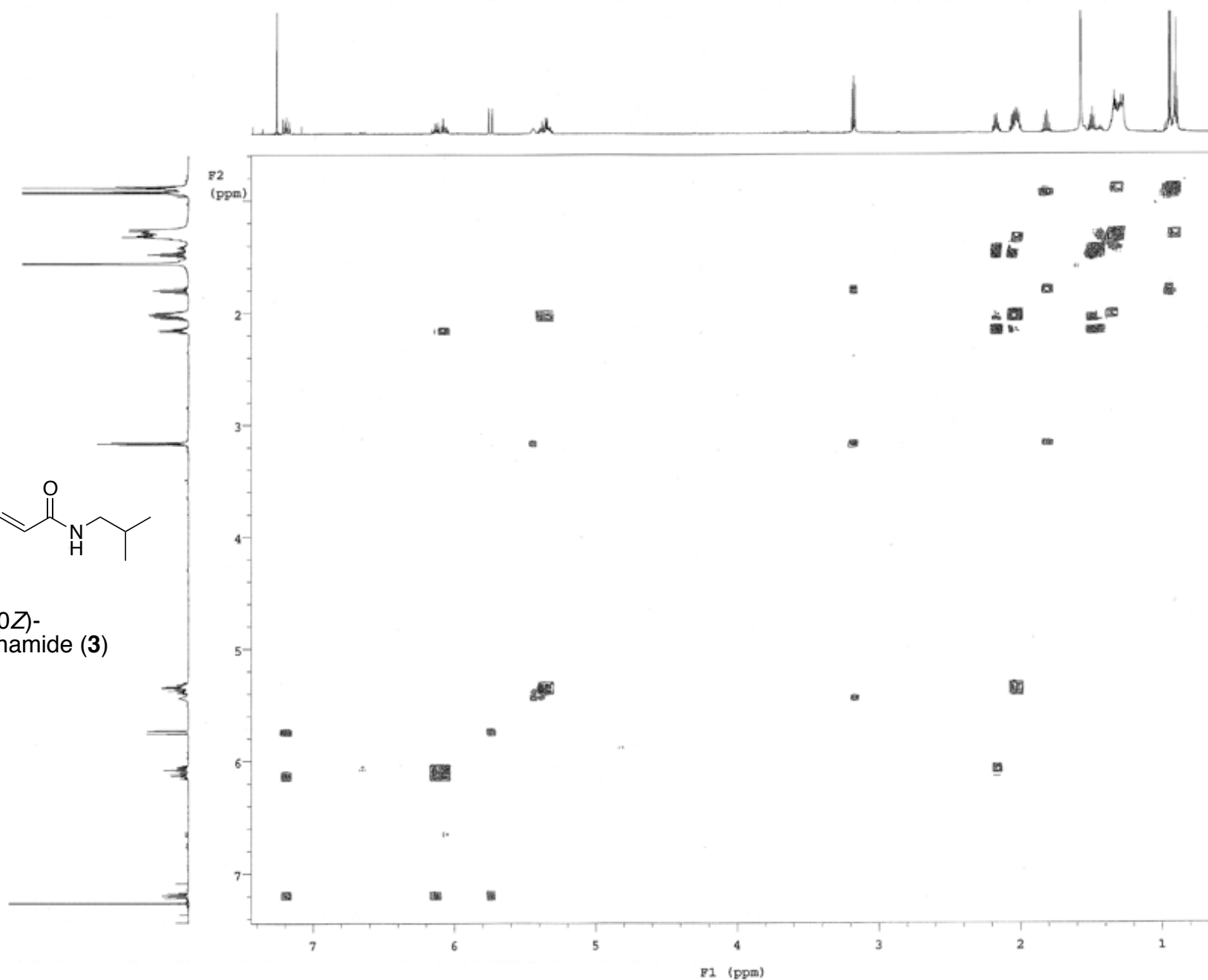
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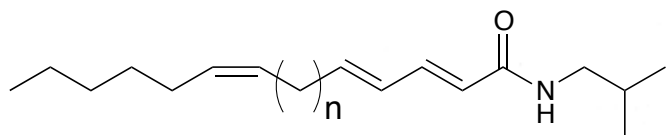
¹H NMR data of *N*-isobutyl-(2*E*, 4*E*, 10*Z*)-hexadeca-2,4,10-trienamide (**3**)



N-isobutyl-(2*E*, 4*E*, 10*Z*)-hexadeca-2,4,10-trienamide (**3**)

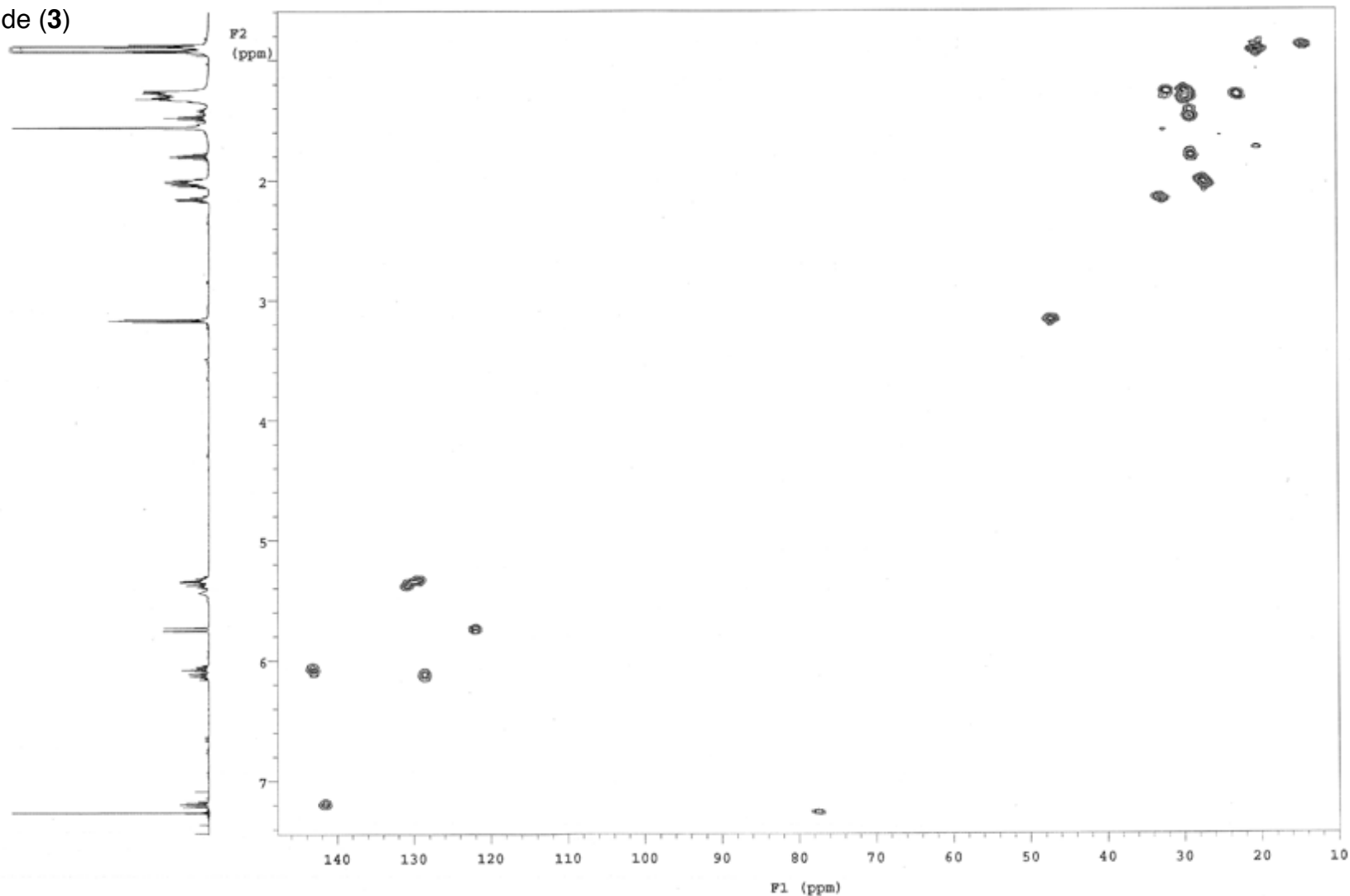


HMQC of *N*-isobutyl-(2*E*, 4*E*, 10*Z*)-hexadeca-2,4,10-trienamide (**3**)

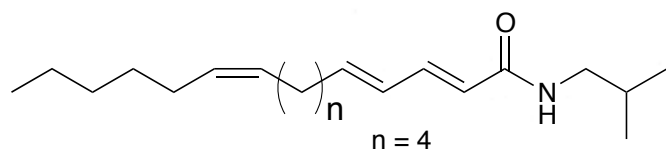


$n = 4$

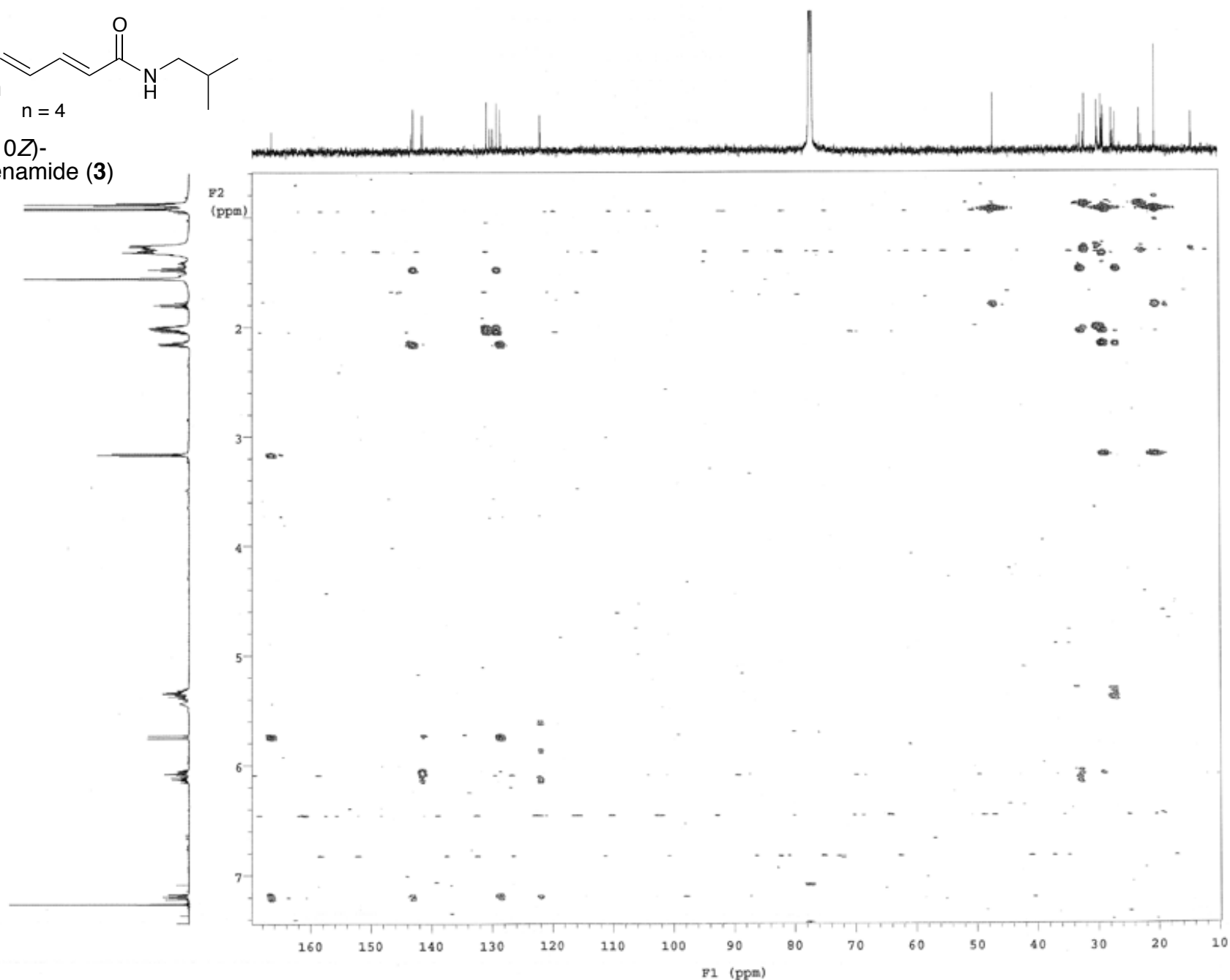
N-isobutyl-(2*E*, 4*E*, 10*Z*)-
hexadeca-2,4,10-trienamide (**3**)



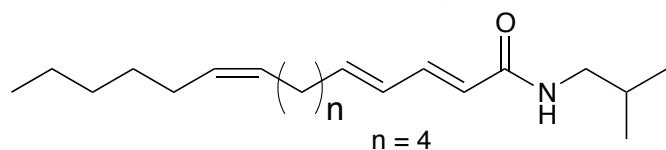
HMQC of *N*-isobutyl-(2*E*, 4*E*, 10*Z*)-hexadeca-2,4,10-trienamide (**3**)



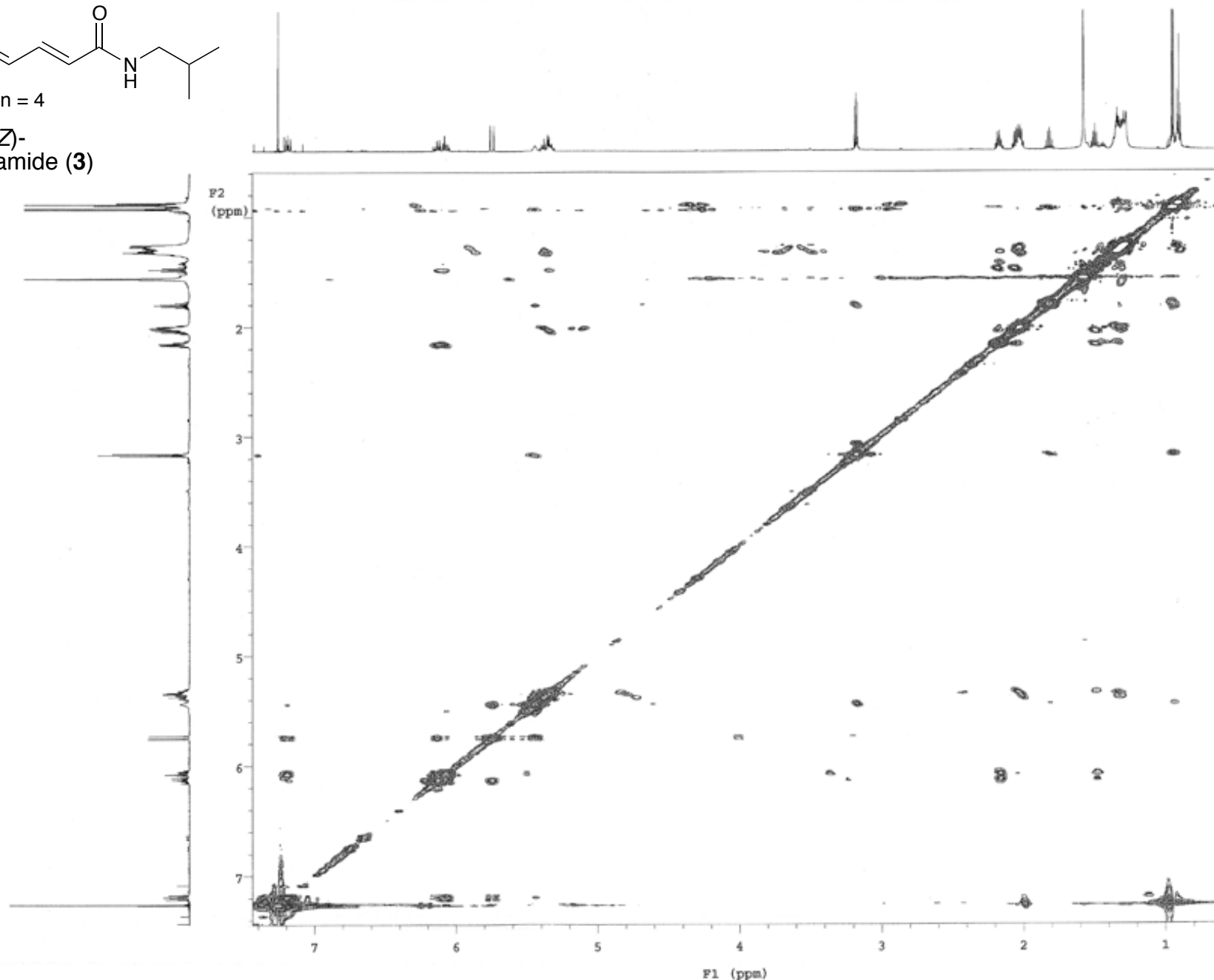
N-isobutyl-(2*E*, 4*E*, 10*Z*)-hexadeca-2,4,10-trienamide (**3**)



HMQC of *N*-isobutyl-(2*E*, 4*E*, 10*Z*)-hexadeca-2,4,10-trienamide (**3**)



N-isobutyl-(2*E*, 4*E*, 10*Z*)-
hexadeca-2,4,10-trienamide (**3**)



NOESY of *N*-isobutyl-(2*E*, 4*E*, 10*Z*)-hexadeca-2,4,10-trienamide (**3**)