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APPENDICES

Appendix A Characterization of 1

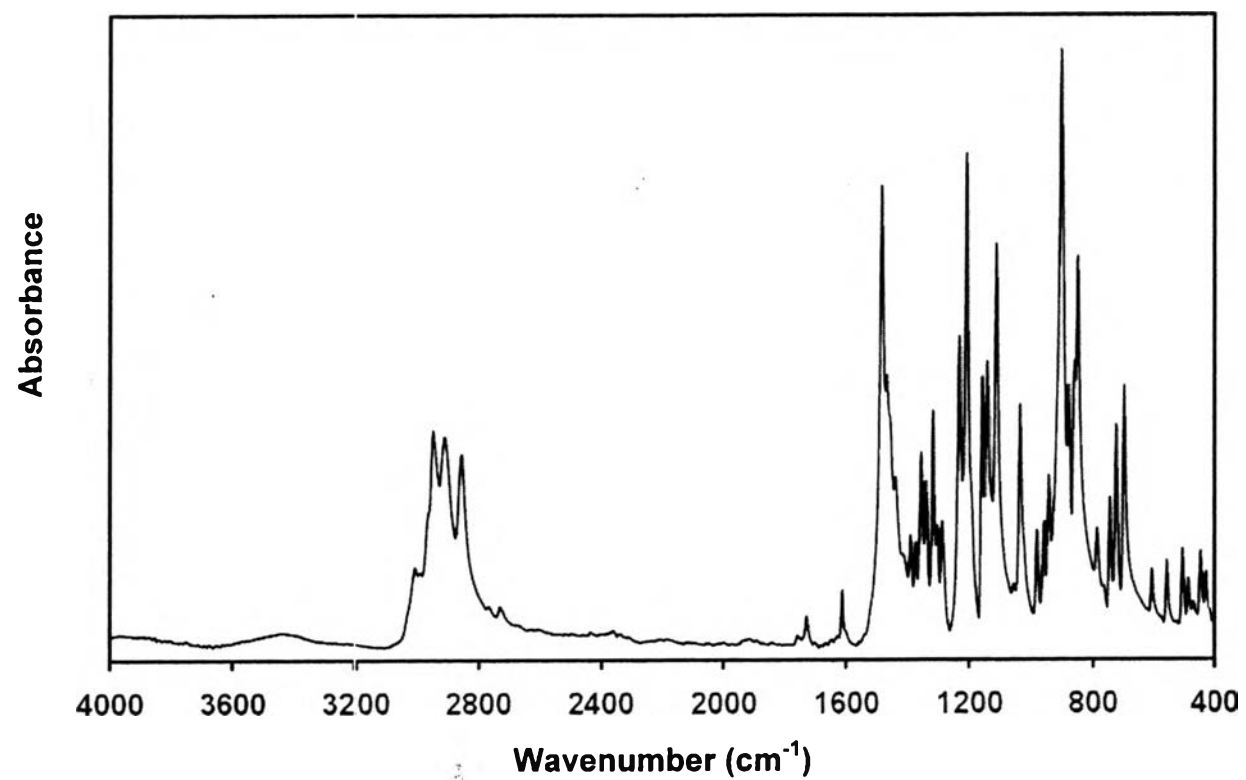


Figure A1. FTIR spectrum of 1.

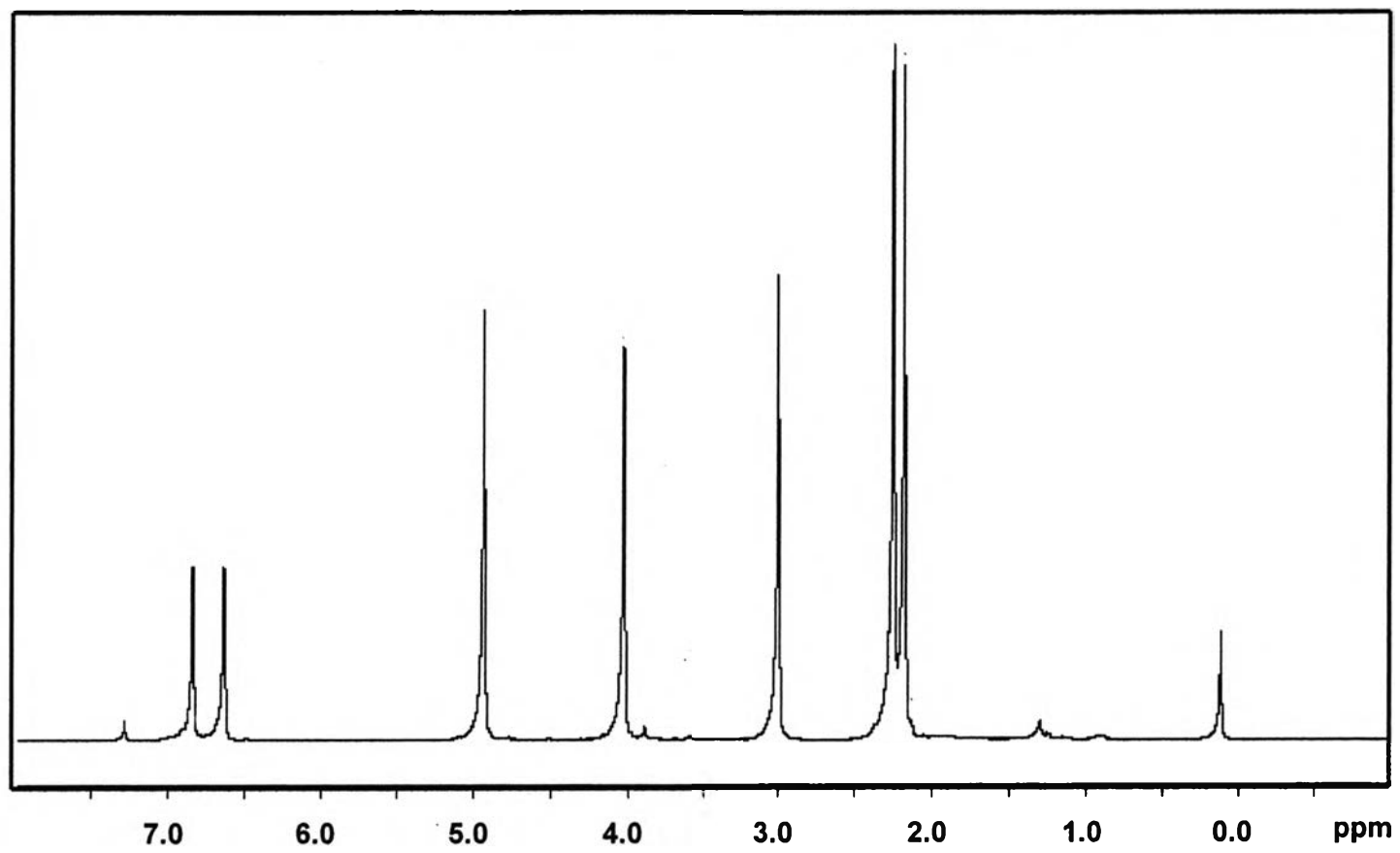


Figure A2. ^1H NMR spectrum of **1**.

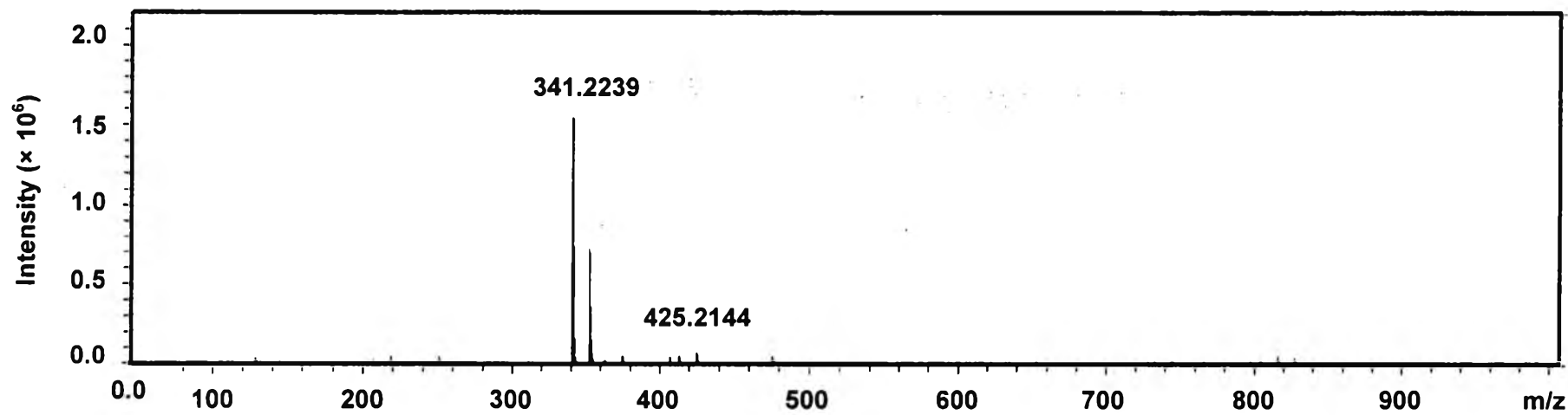


Figure A3. ESI MS spectrum of 1.

Appendix B Characterization of 2

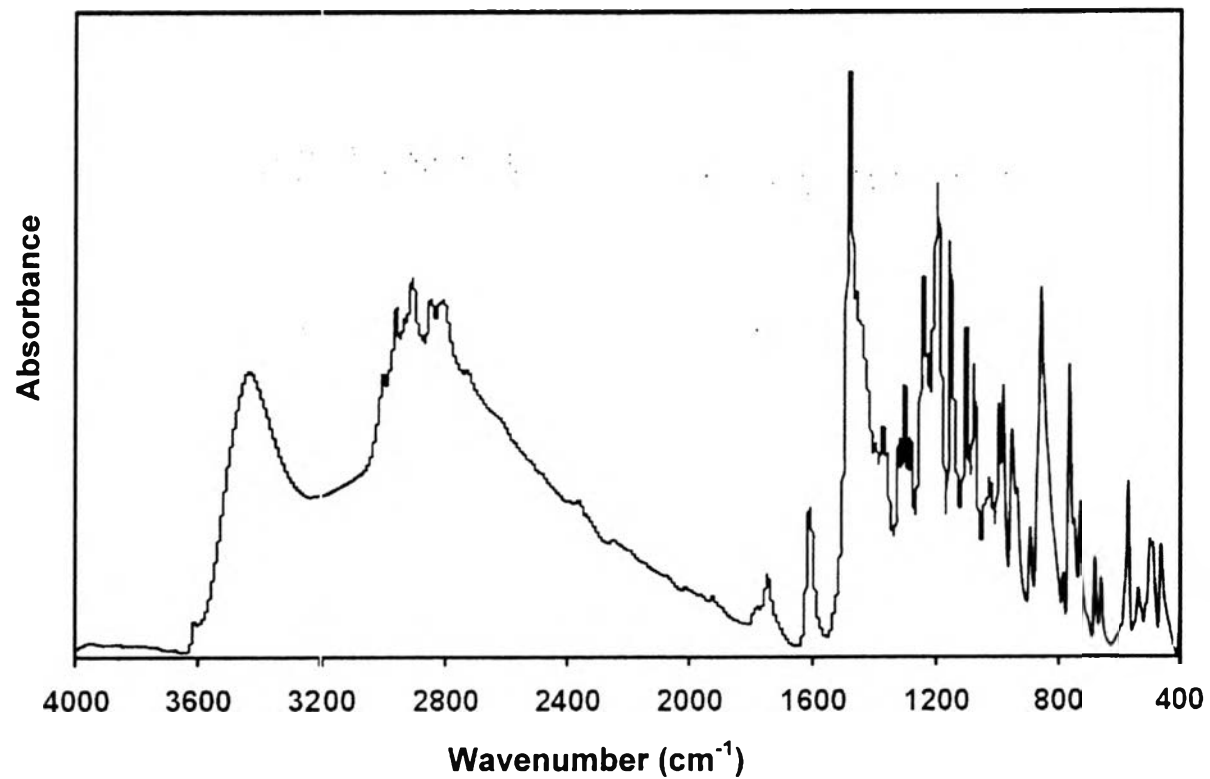


Figure B1. FTIR spectrum of 2.

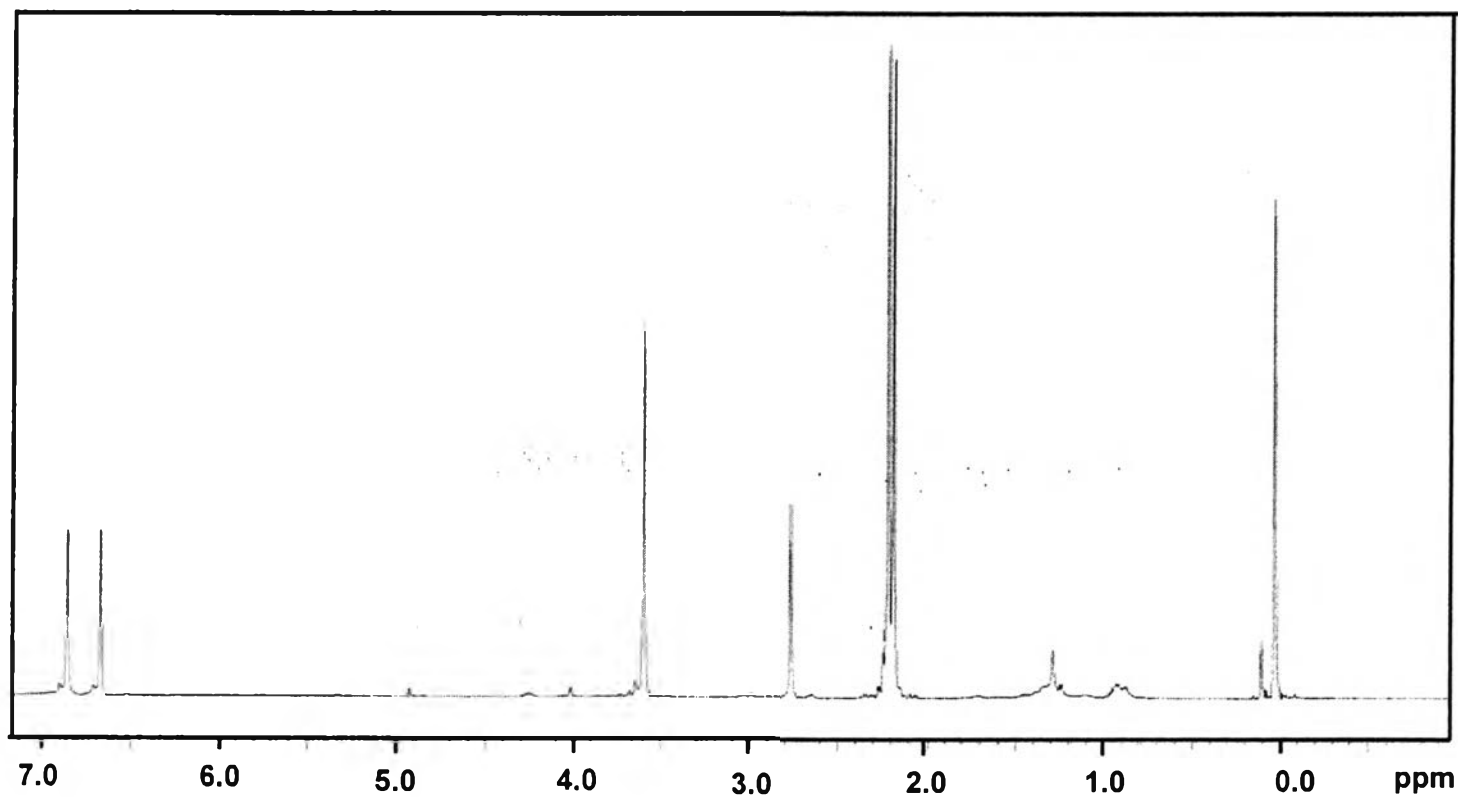


Figure B2. ^1H NMR spectrum of 2

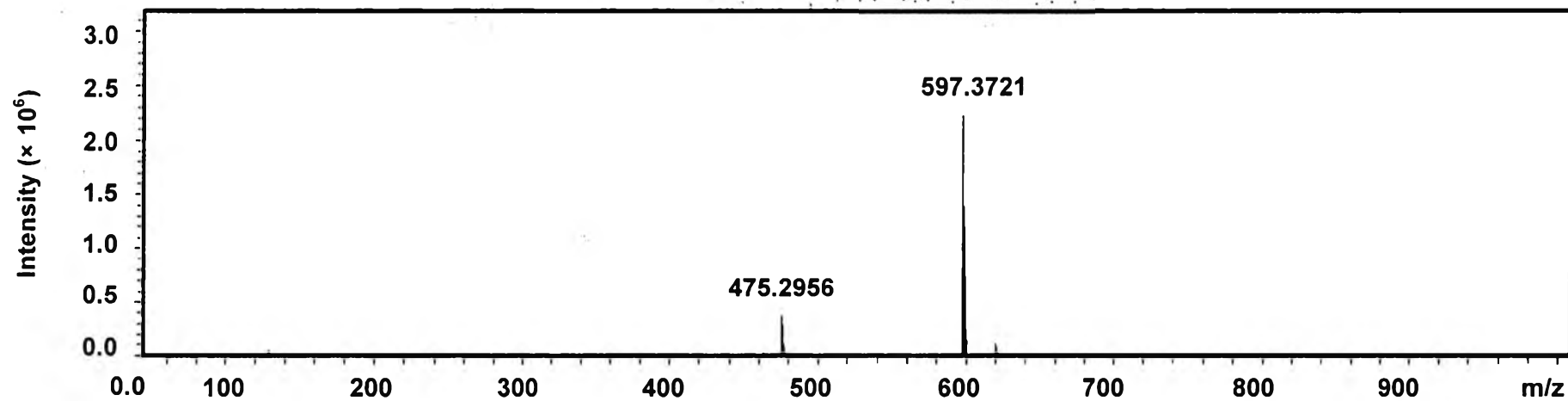


Figure B3. ESI MS spectrum of 2.

Appendix C Characterization of 3

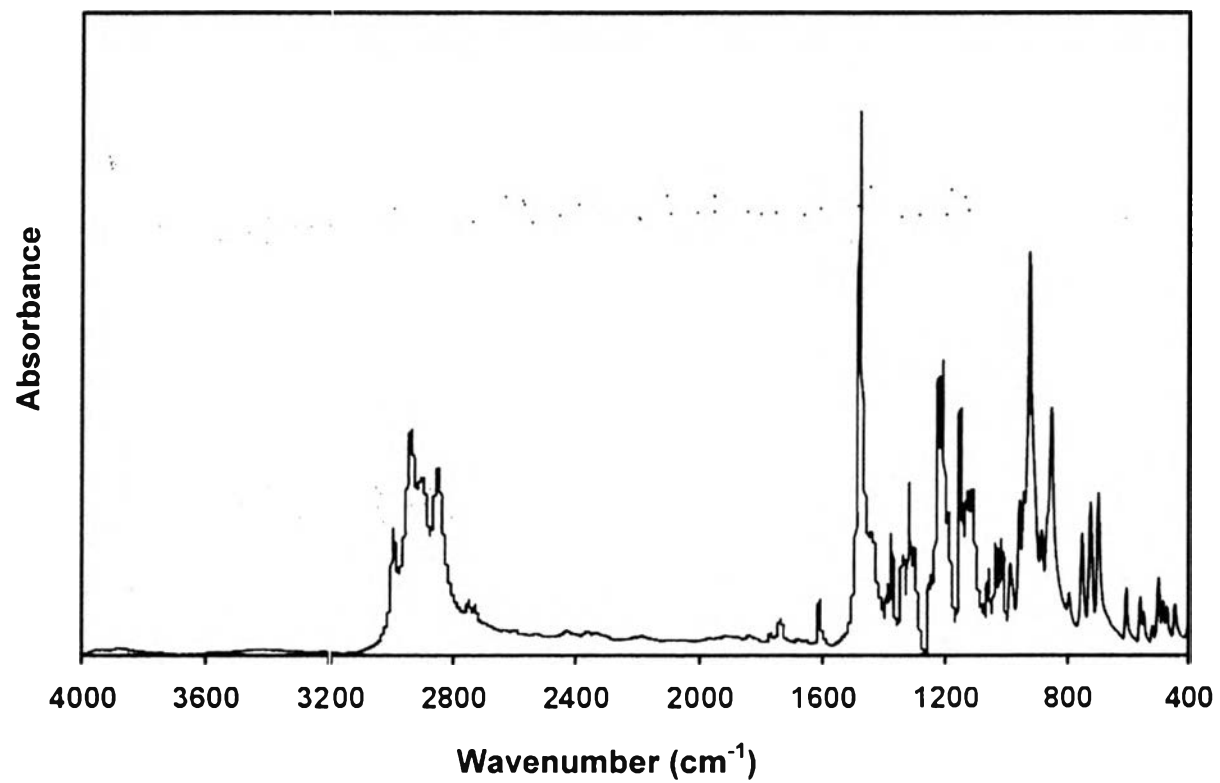


Figure C1. FTIR spectrum of 3.

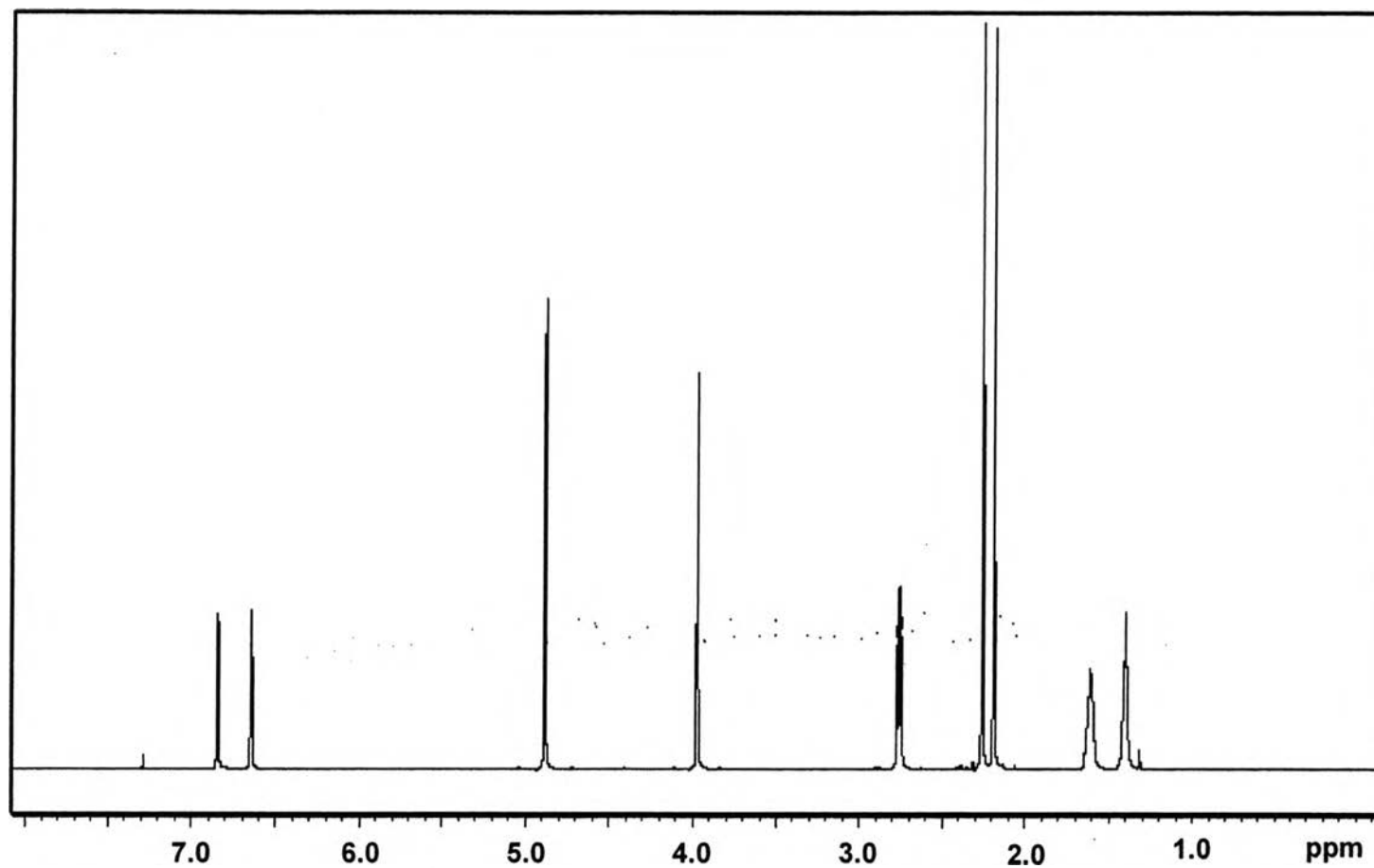


Figure C2. ^1H NMR spectrum of 3.

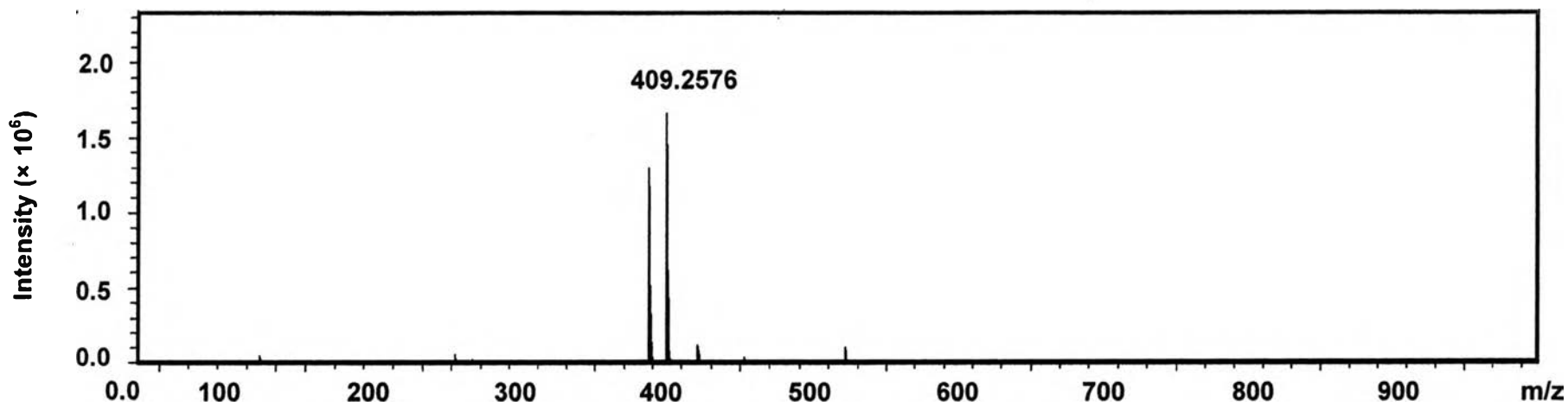


Figure C3. ESI MS spectrum of 3.

Appendix D Characterization of 4

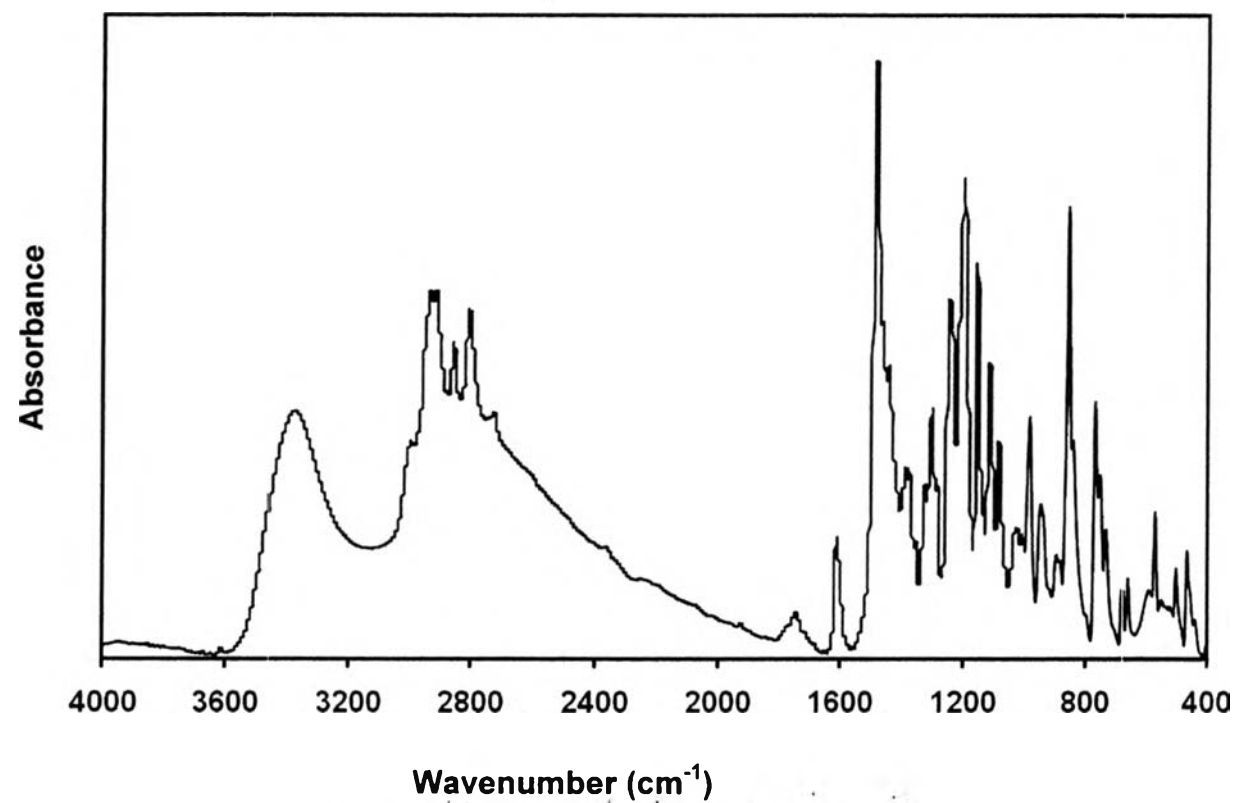


Figure D1. FTIR spectrum of 4.

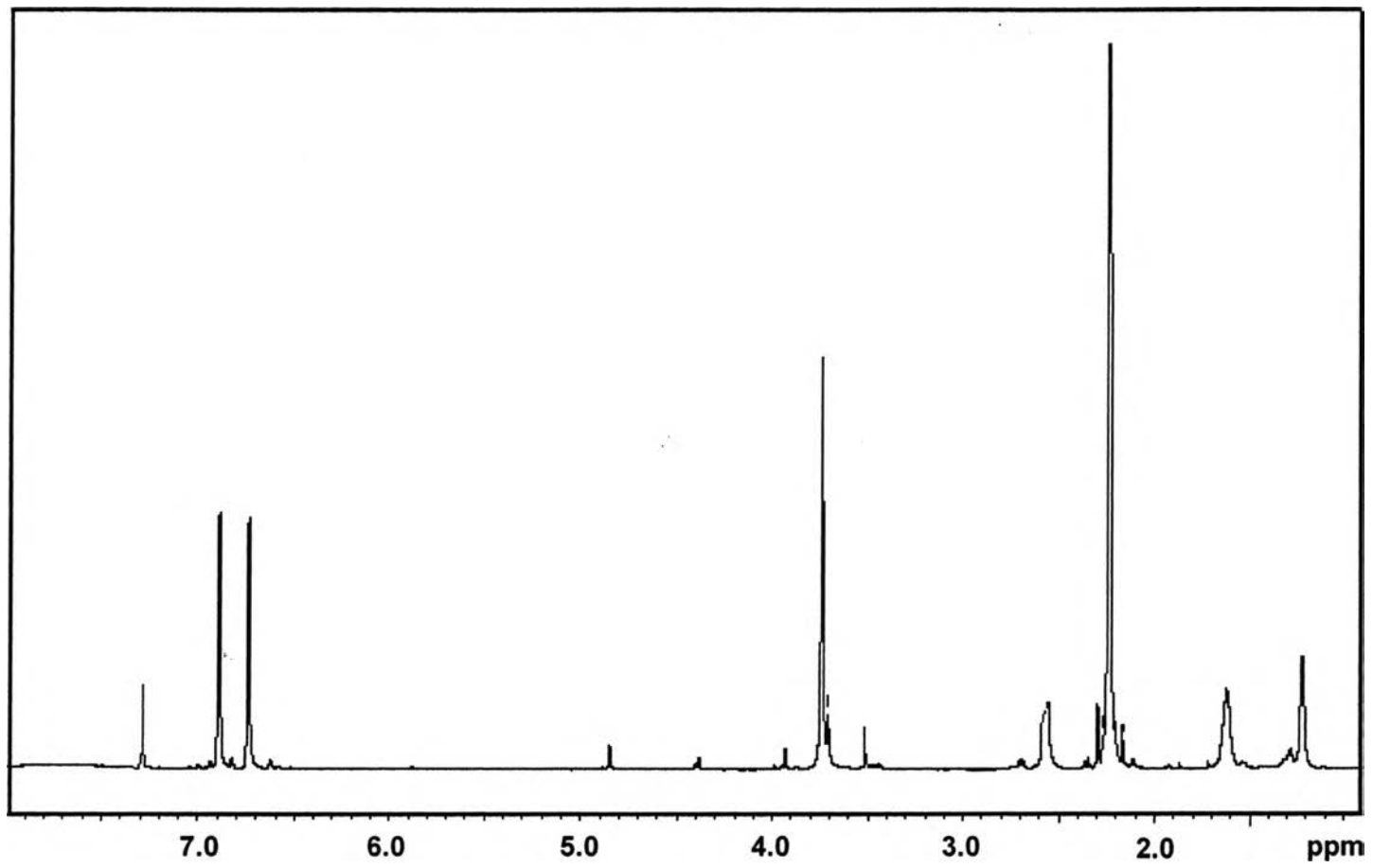


Figure D2. ^1H NMR spectrum of 4.

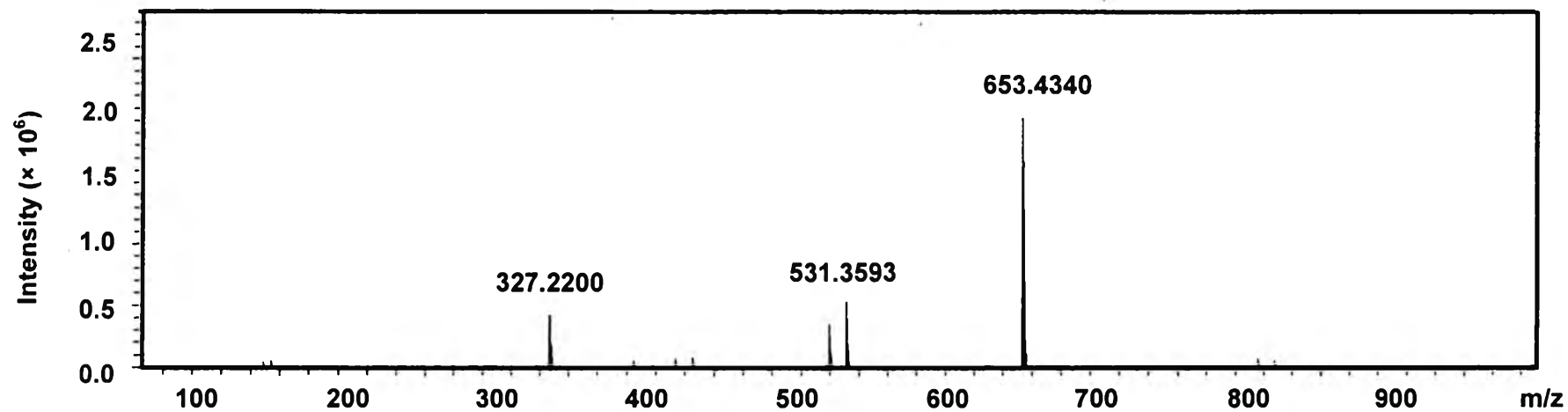


Figure D3. ESI MS spectrum of 4.

Appendix E Characterization of $[2 \cdot \text{Cu}(\text{ClO}_4)]_2$.

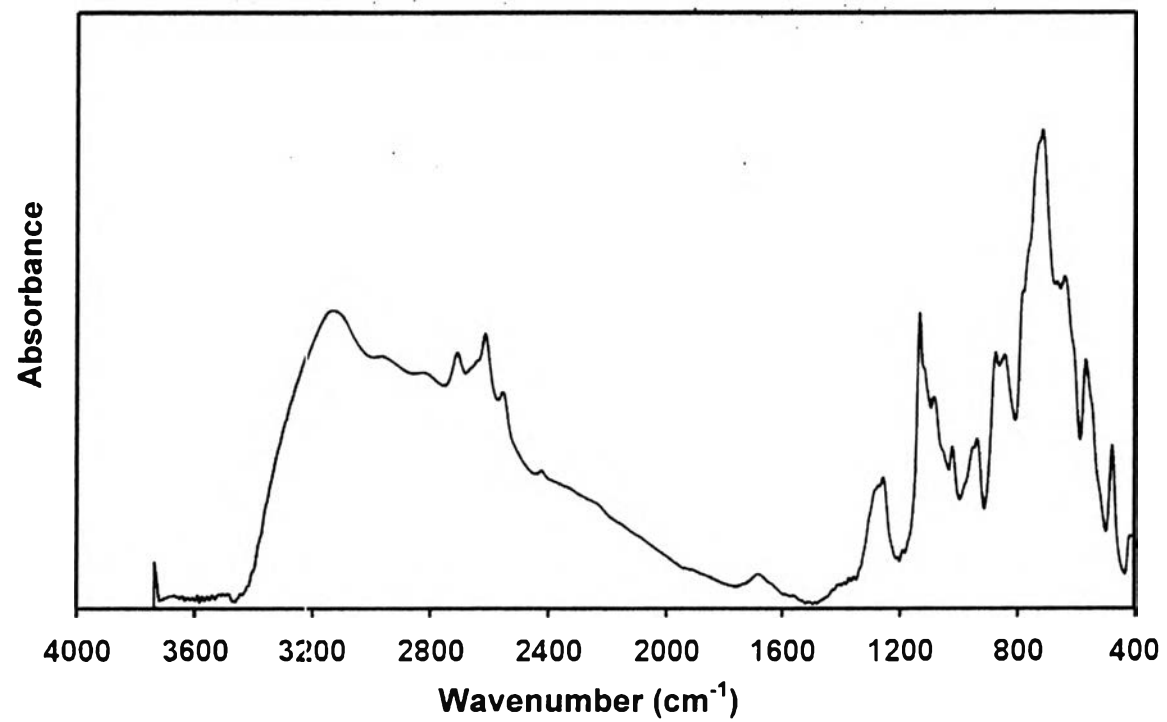


Figure E1. FTIR spectrum of $[2 \cdot \text{Cu}(\text{ClO}_4)]_2$.

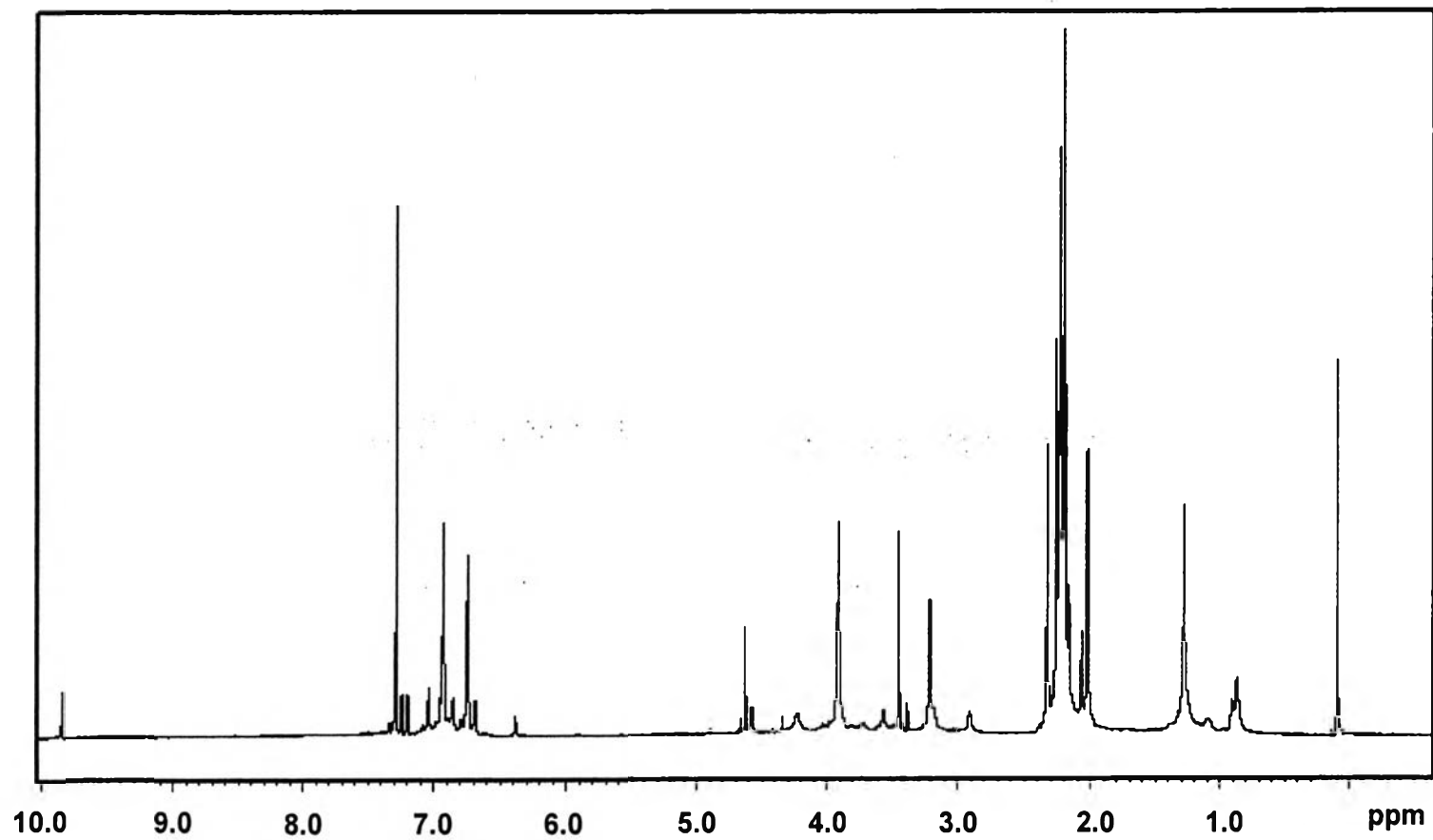


Figure E2. ^1H NMR spectrum of **2**/ $\text{Cu}(\text{ClO}_4)_2$.

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Proceedings:

1. Tanphibal, P., Nithitanakul, M., Laobuthee, A., and Chirachanchai, S. (2010) Supramolecular benzoxazines: A novel type of polymeric chain based on a metallo-supramolecular system. Proceeding of The 1st National Research Symposium on Petroleum, Petrochemicals, and Advanced Materials and The 16th PPC Symposium on Petroleum, Petrochemicals, and Polymers, Bangkok, Thailand.



Presentations:

1. Tanphibal, P., Nithitanakul, M., Laobuthee, A., and Chirachanchai, S. (2010, April 22) Supramolecular benzoxazines: A novel type of polymeric chain based on a metallo-supramolecular system. Paper presented at The 1st National Research Symposium on Petroleum, Petrochemicals, and Advanced Materials and the 16th PPC Symposium on Petroleum, Petrochemicals, and Polymers, Bangkok, Thailand.
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