

Oxidative dual C–H selenation of imidazoheterocycles with ethers or
alkanes using selenium powder via a radical pathway

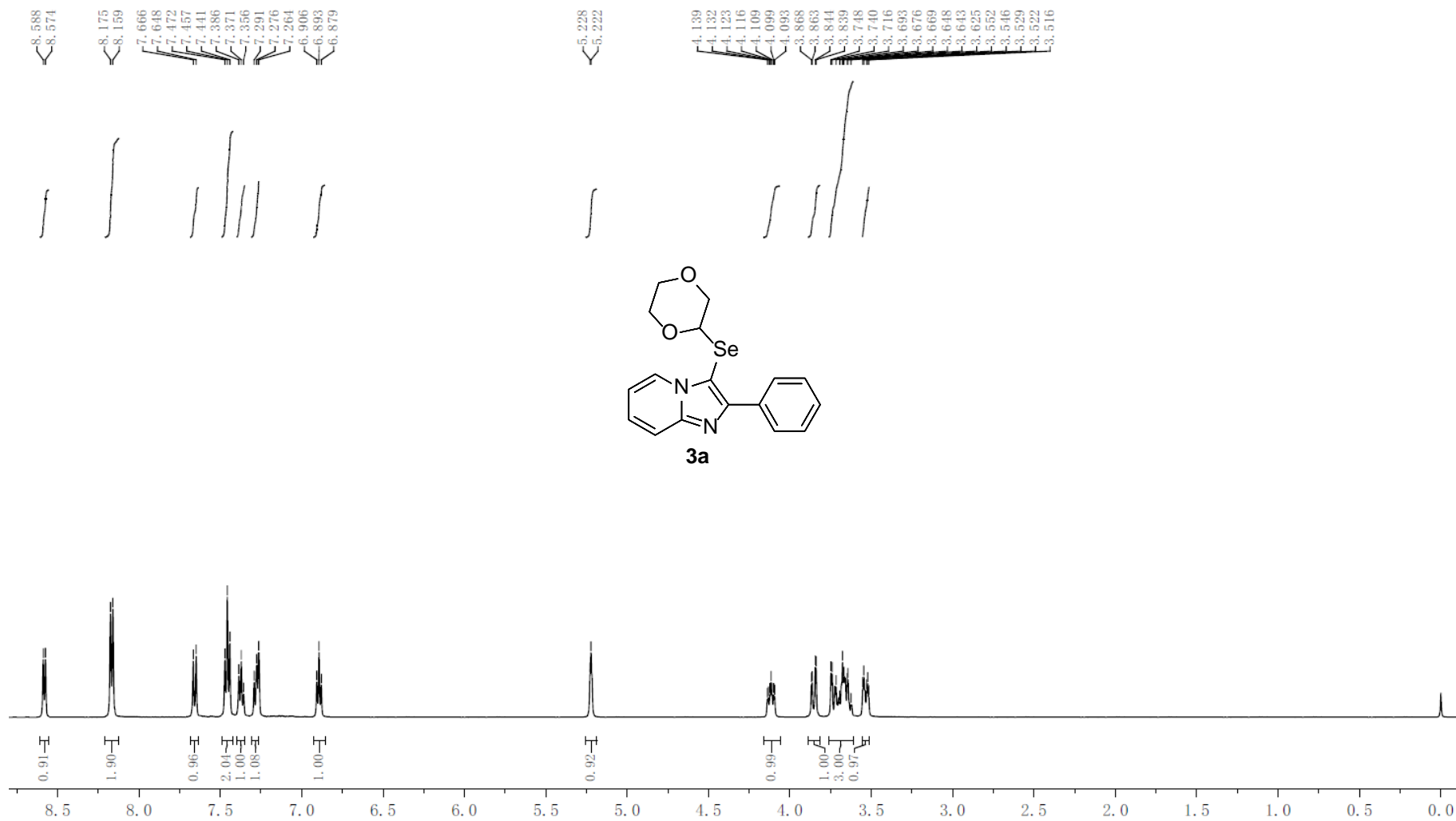
Tao Guo,^{*a} Xu-Ning Wei,^a Yu Liu,^a Pan-Ke Zhang^b and Yun-Hui Zhao^{*c}

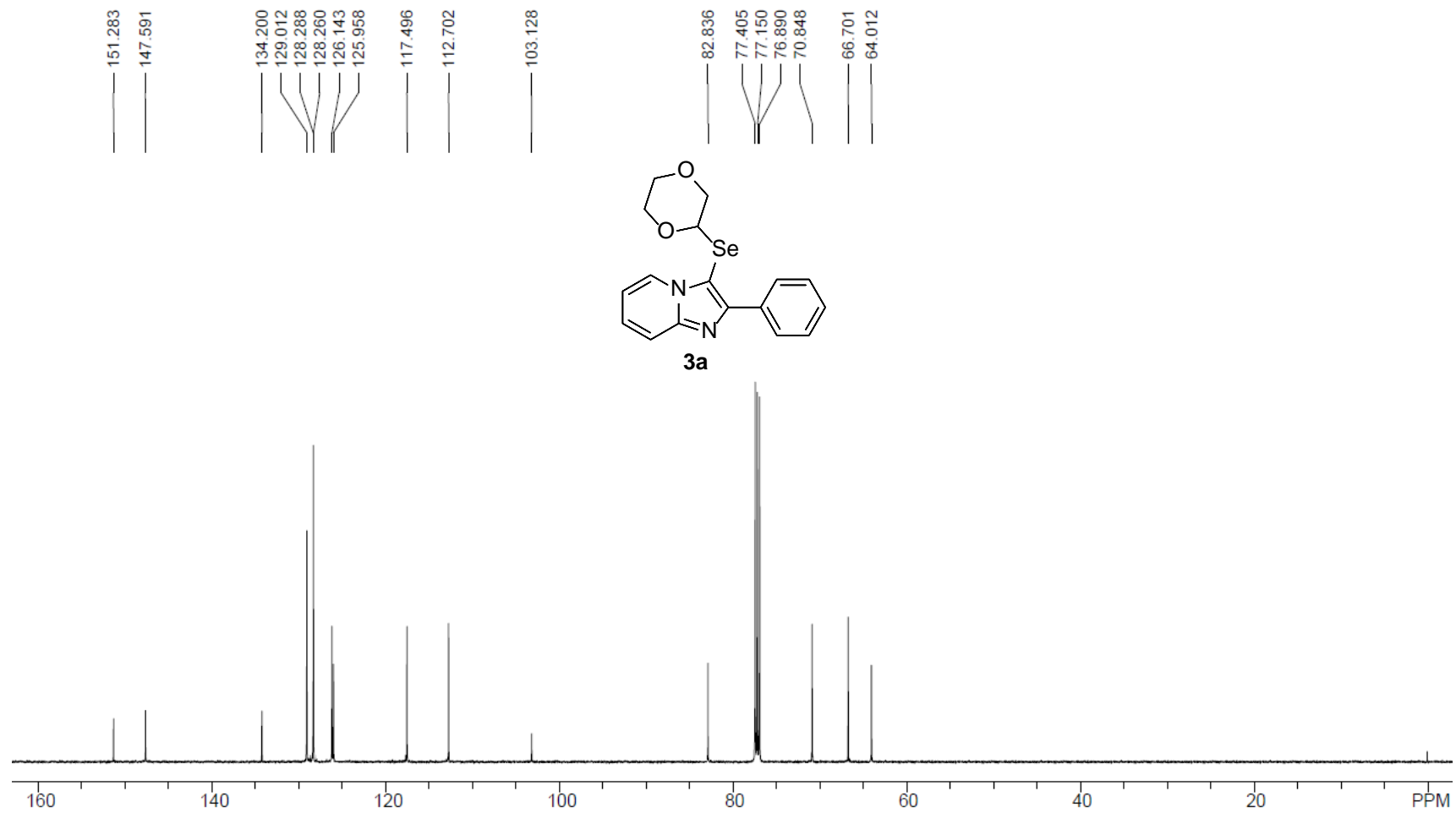
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Technology, Zhengzhou, Henan 450001, PR China*

^b *College of Chemistry and Molecular Engineering, Zhengzhou University, 100 Kexue Avenue,
Zhengzhou, Henan 450001, PR China*

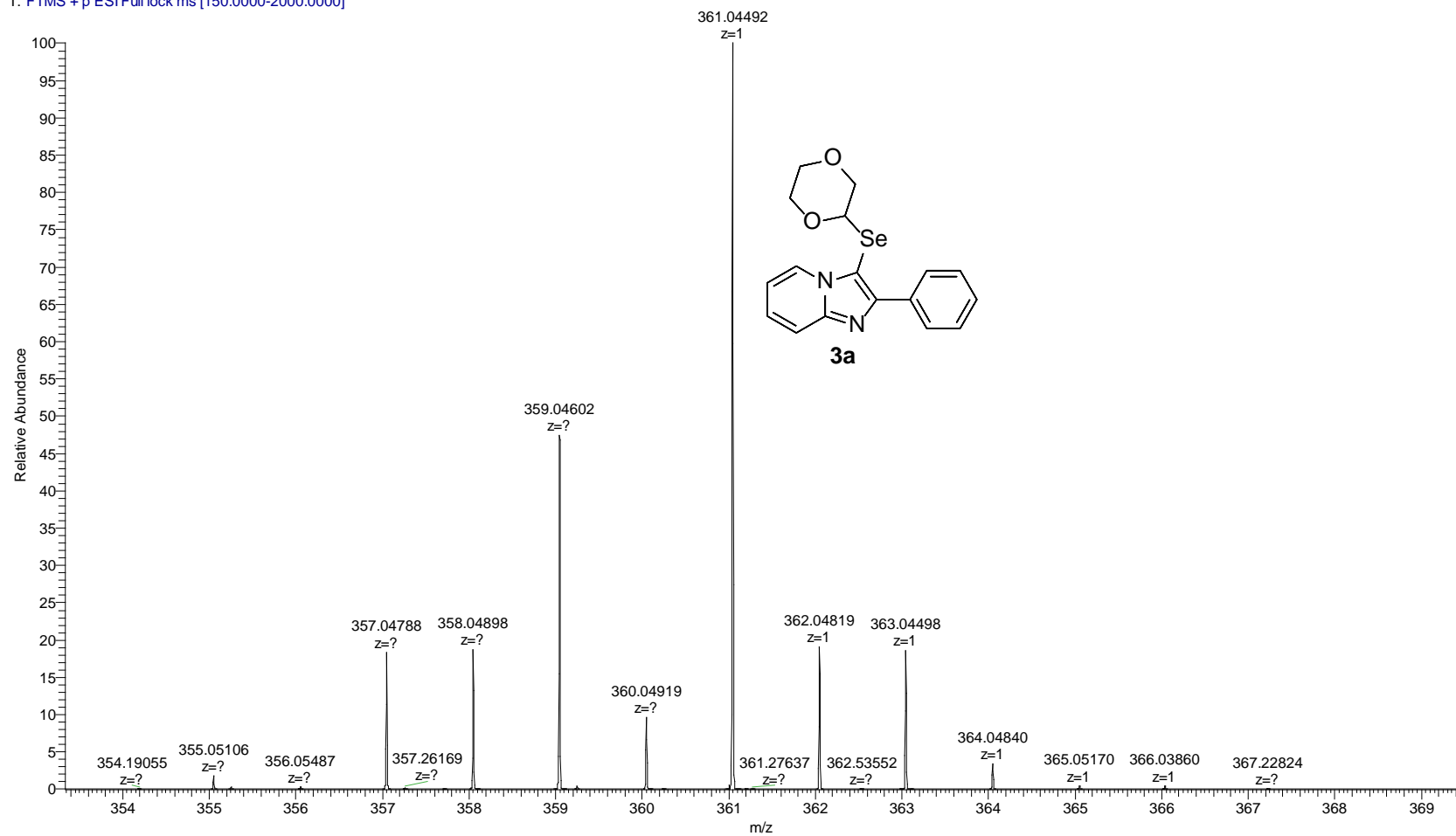
^c *School of Chemistry and Chemical Engineering, Hunan University of Science and
Technology, Xiangtan, Hunan 411201, PR China*

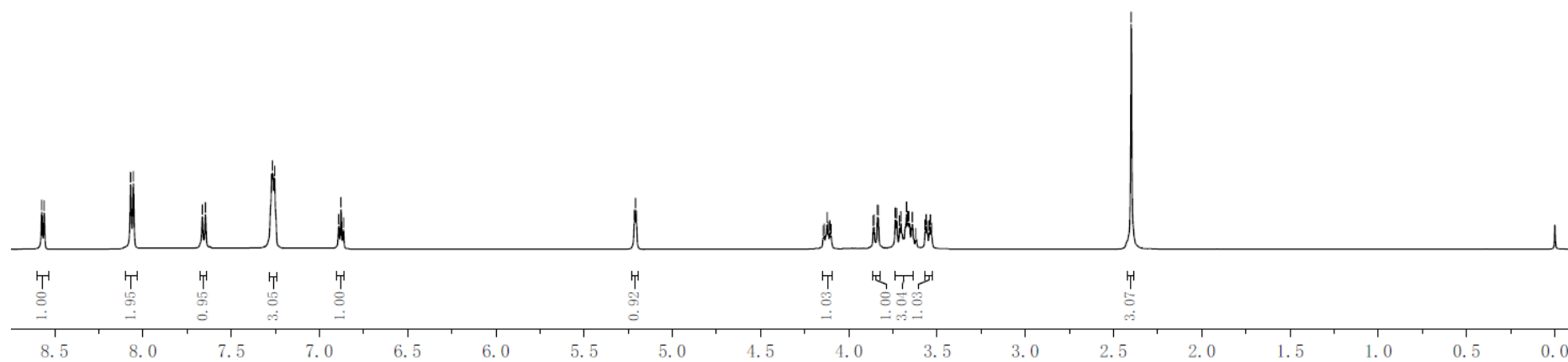
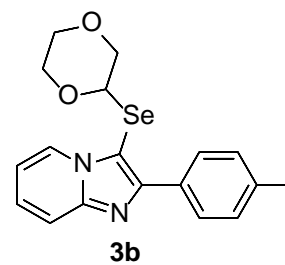
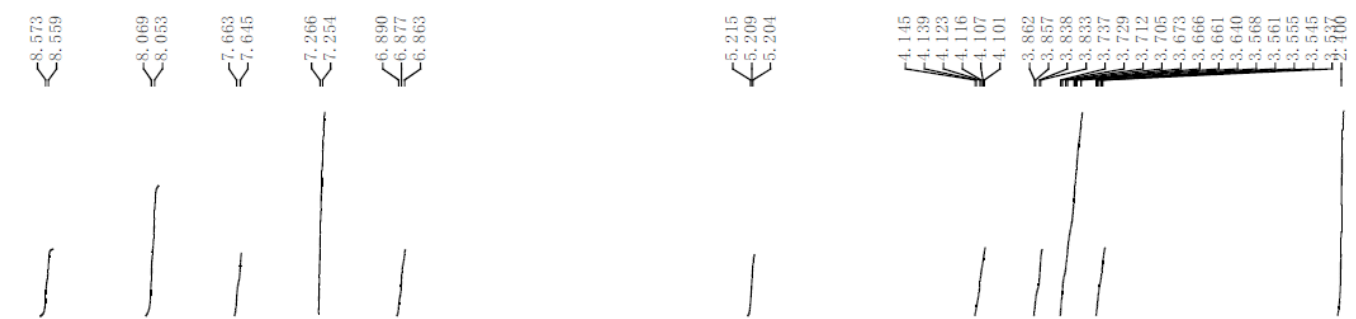
Copies of ¹H and ¹³C NMR Spectra

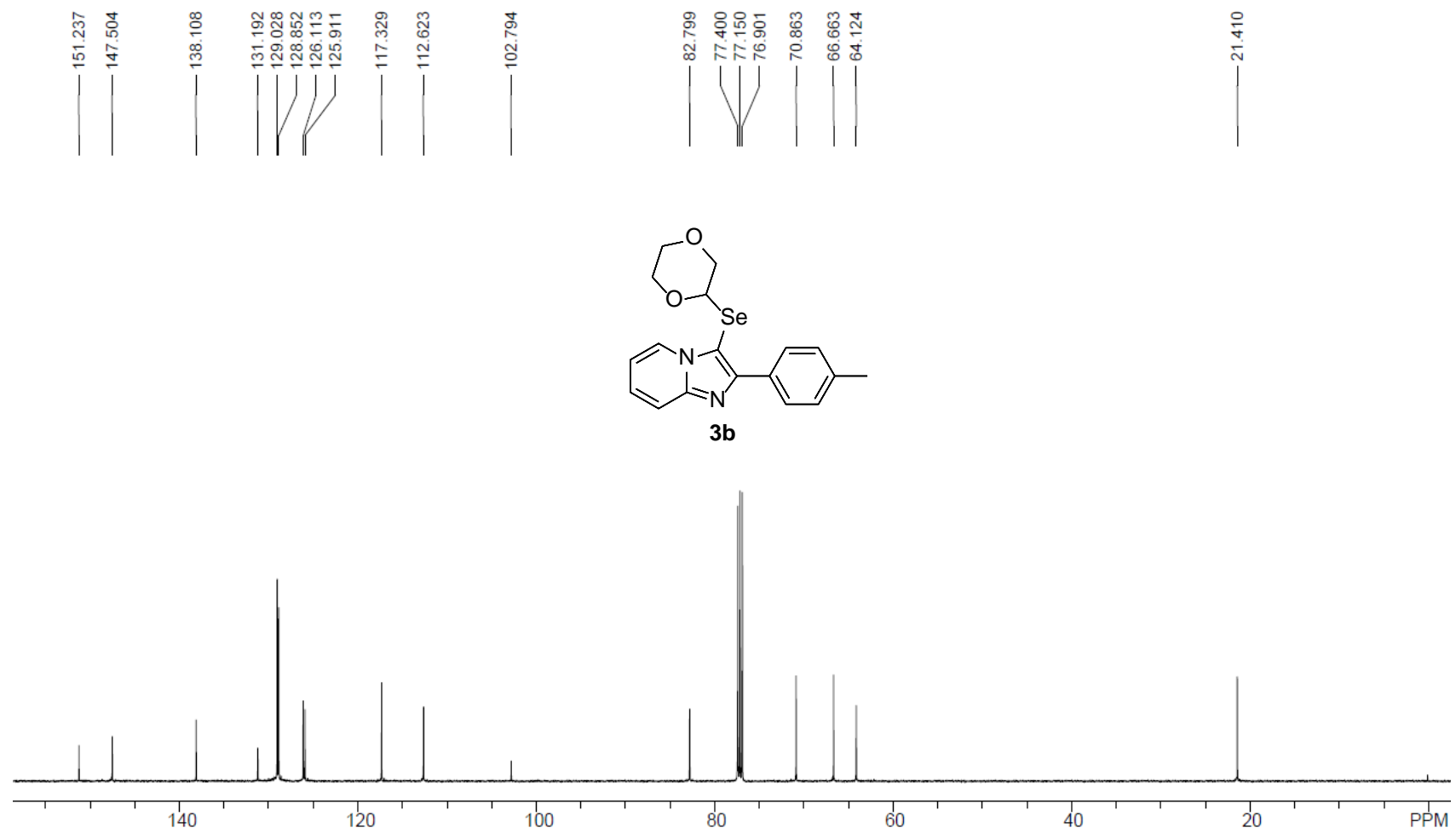


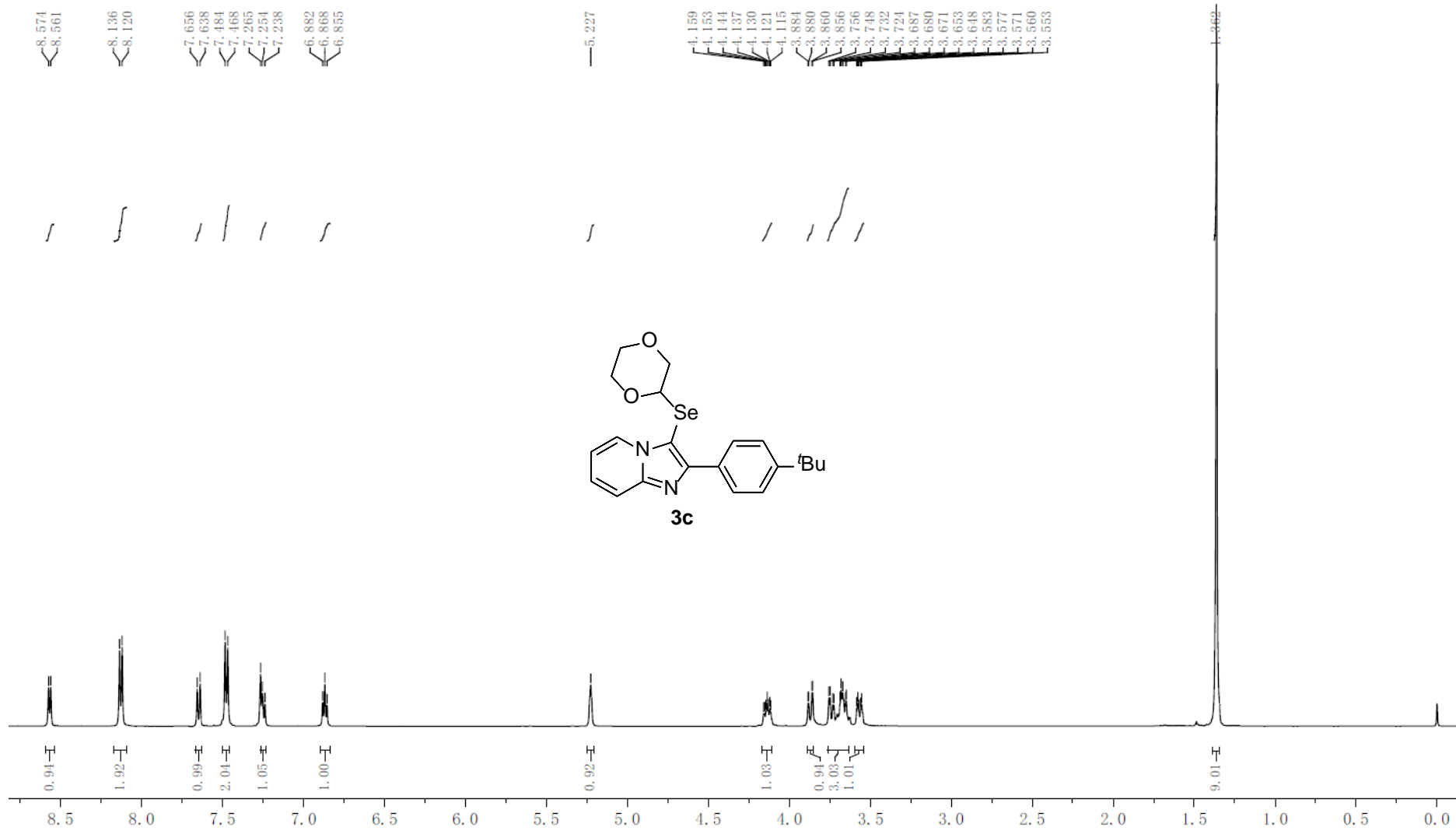


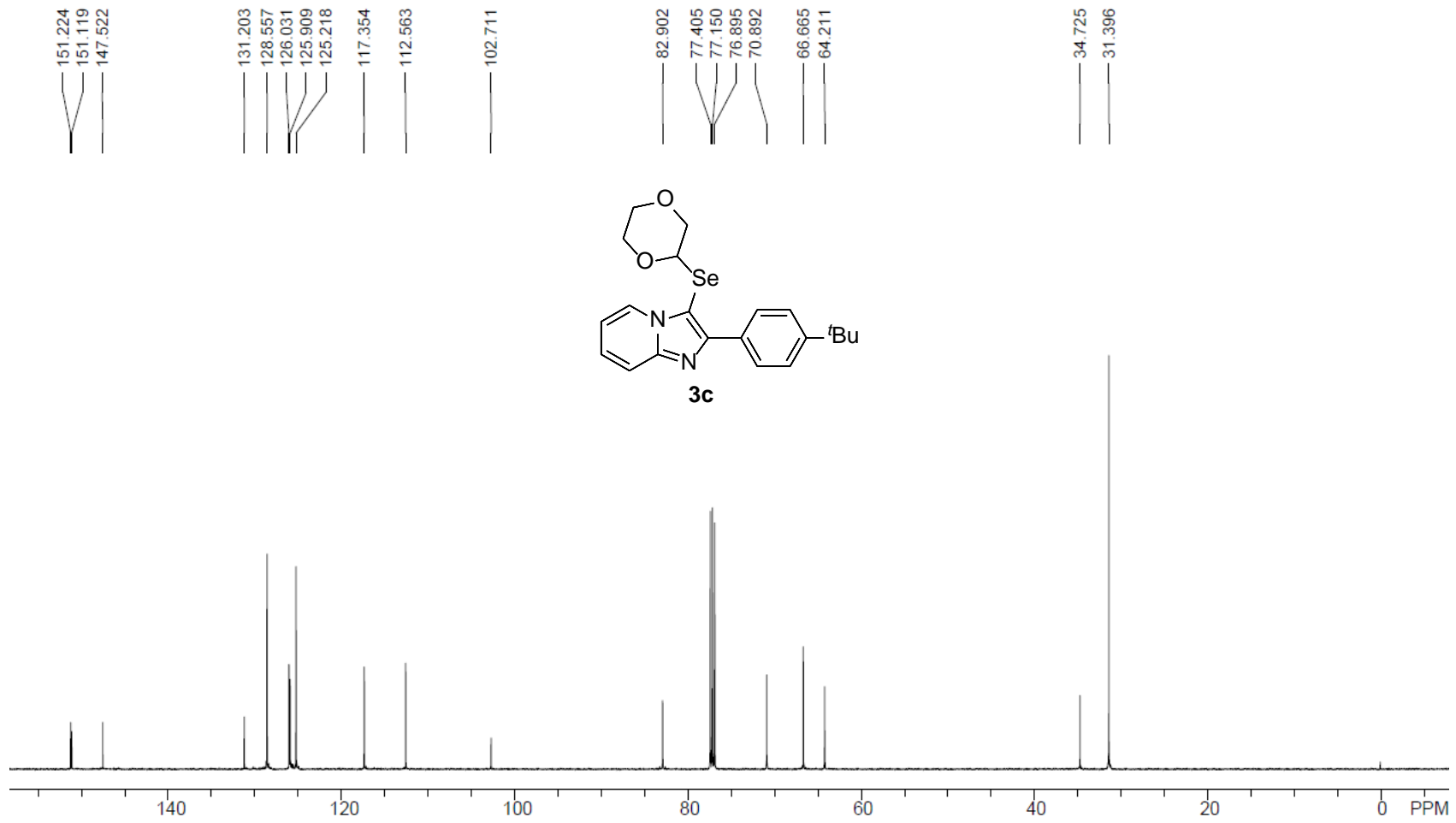
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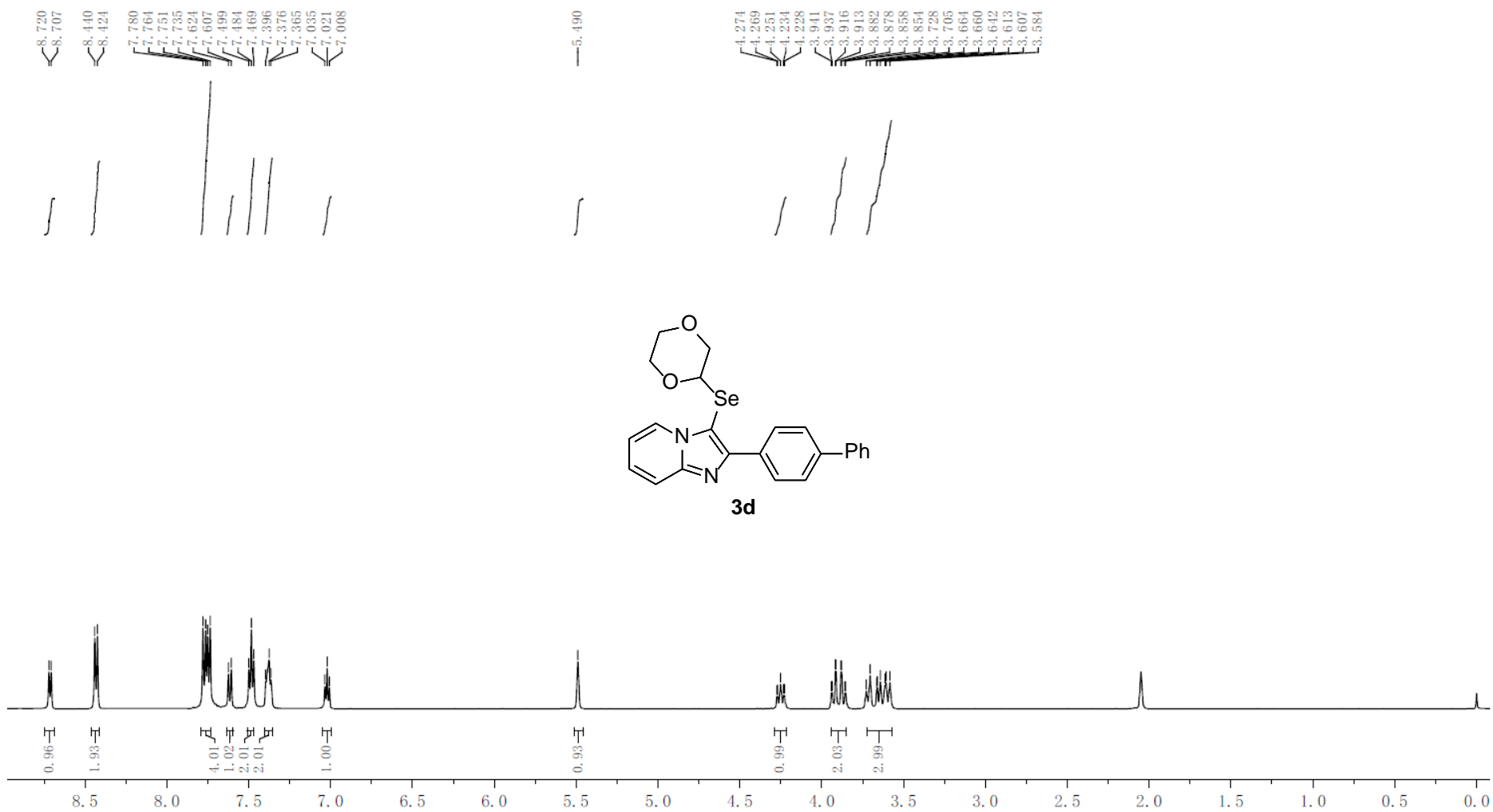


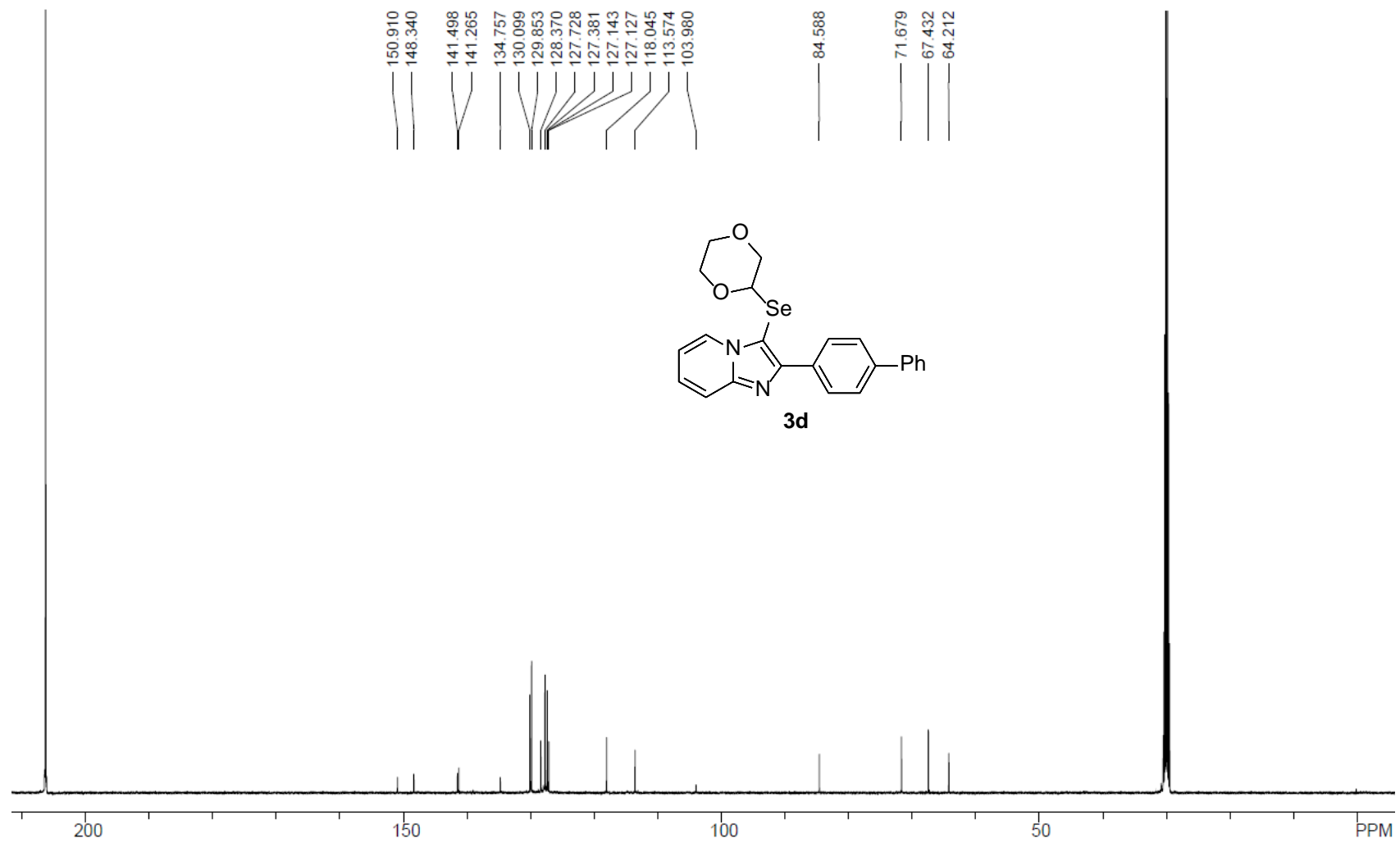


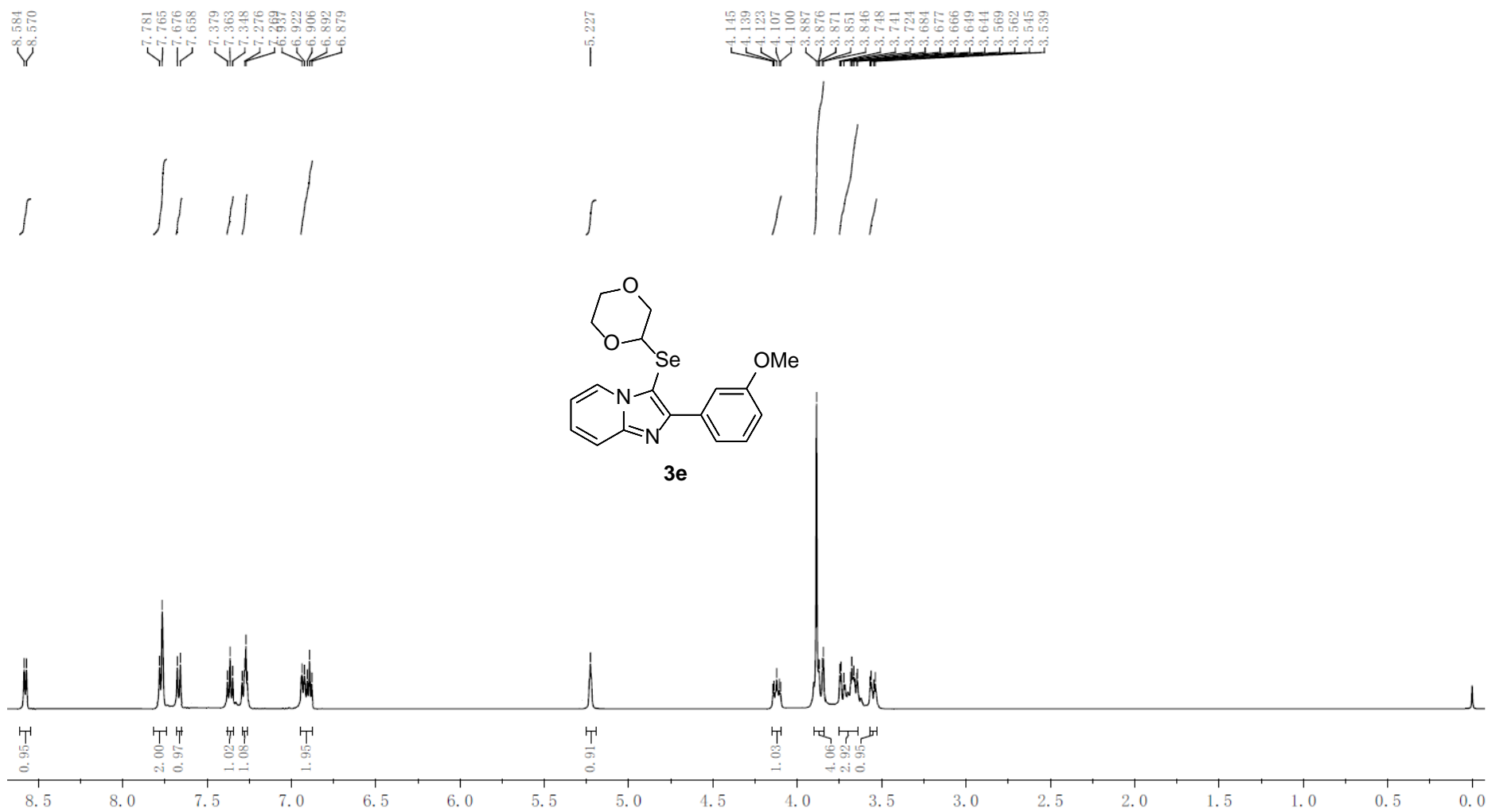


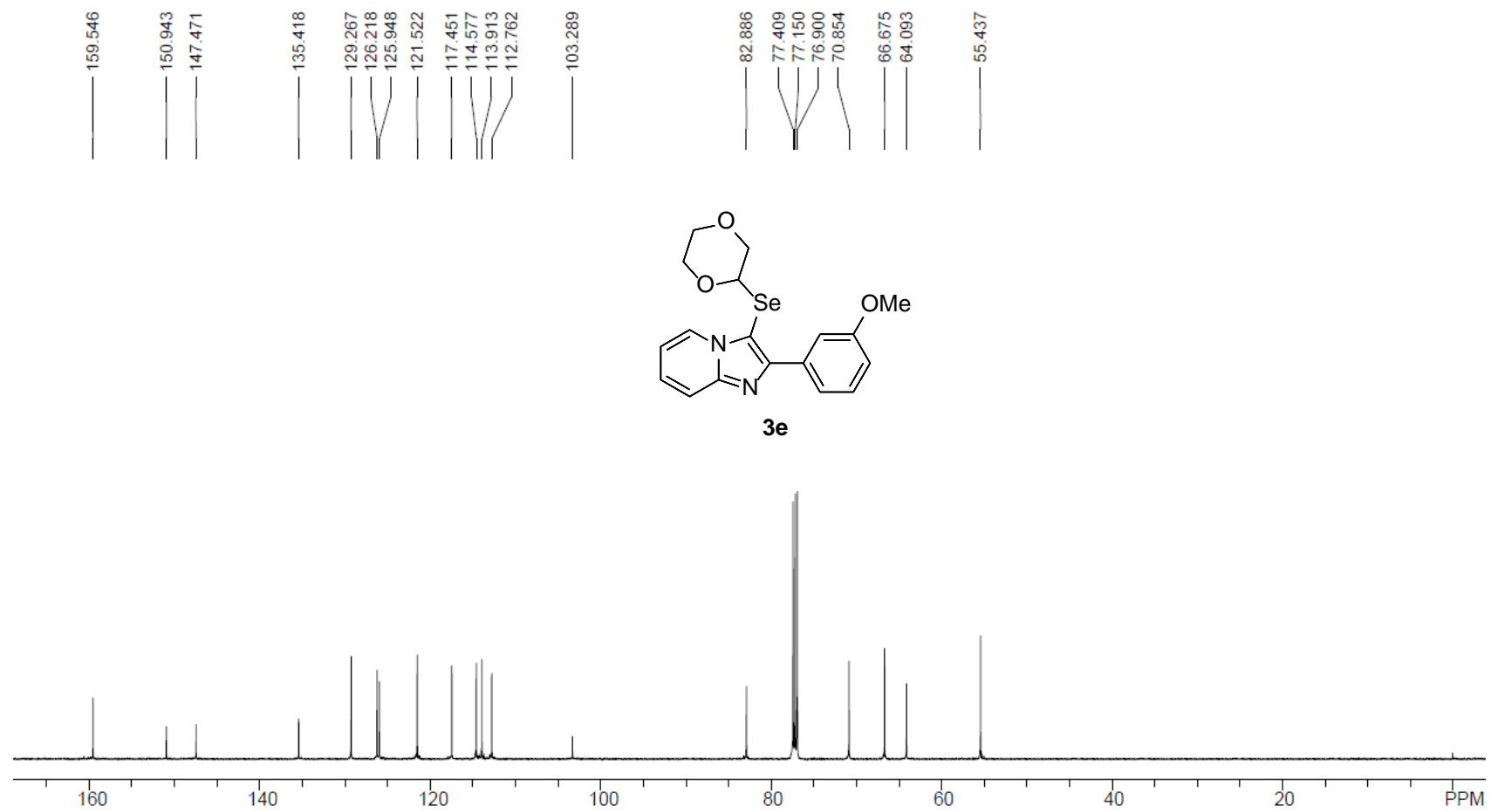


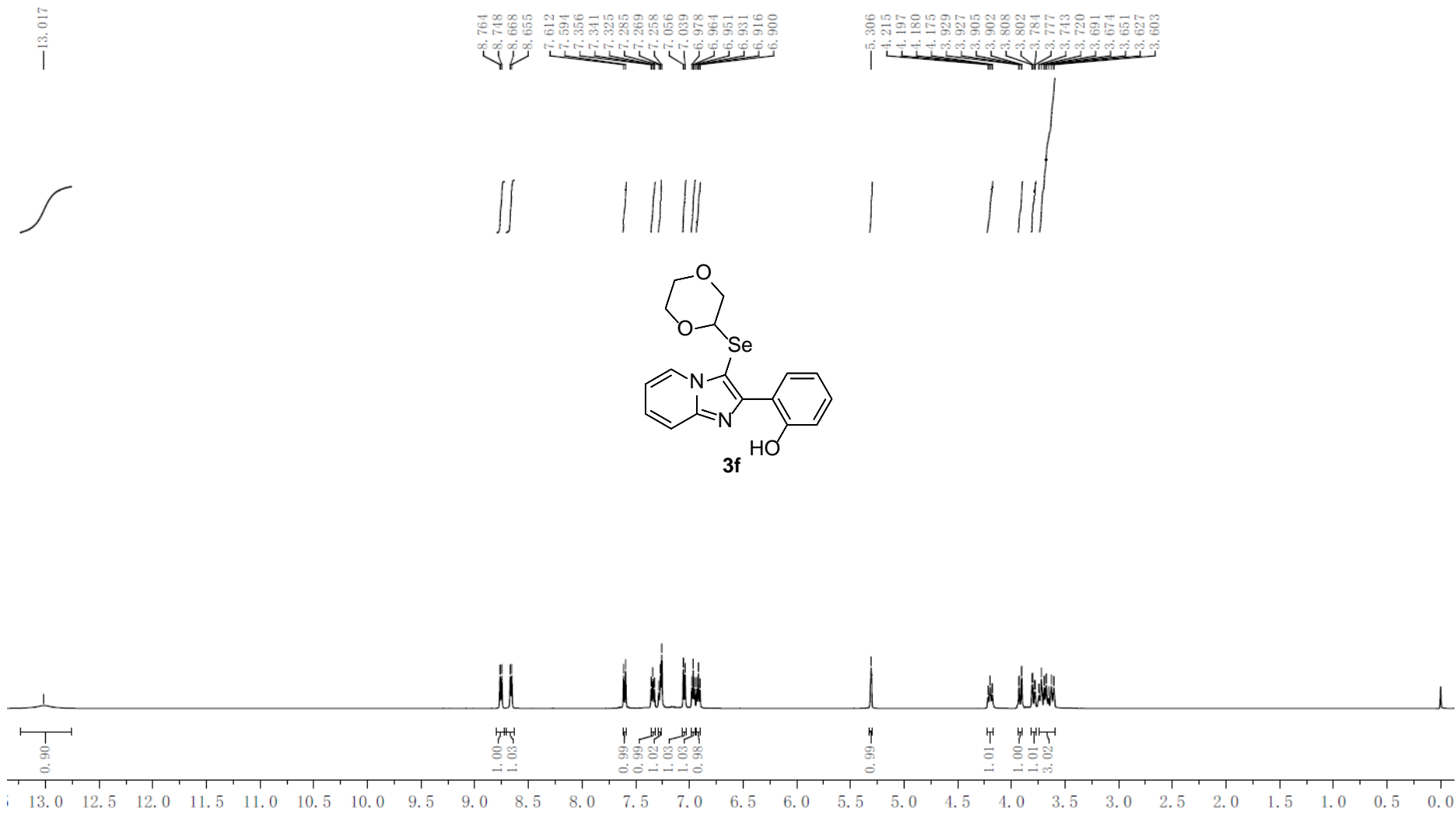


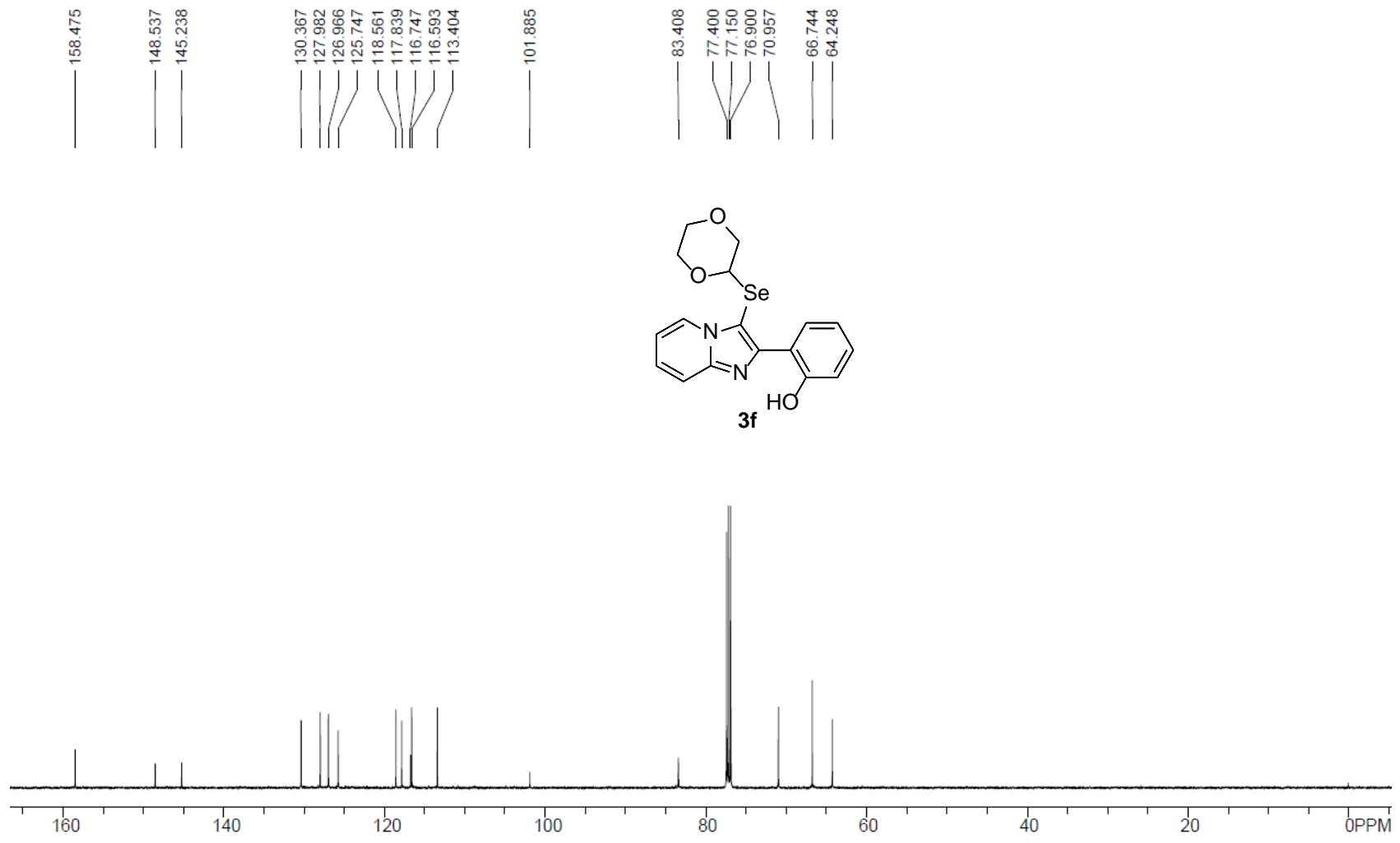


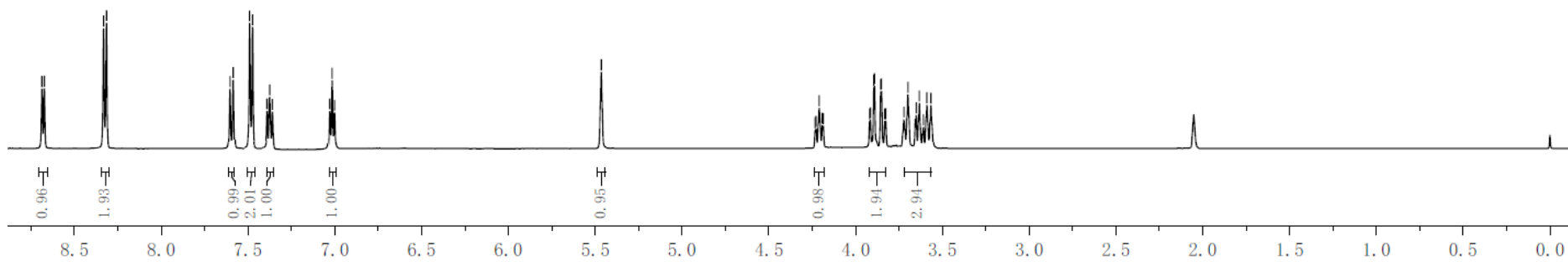
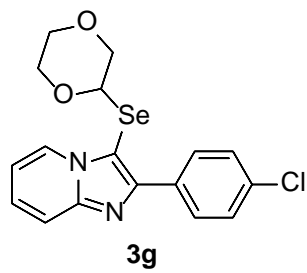
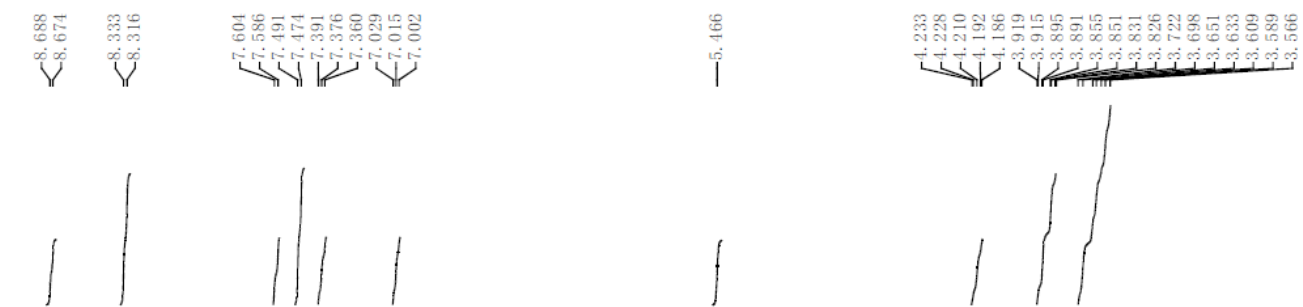


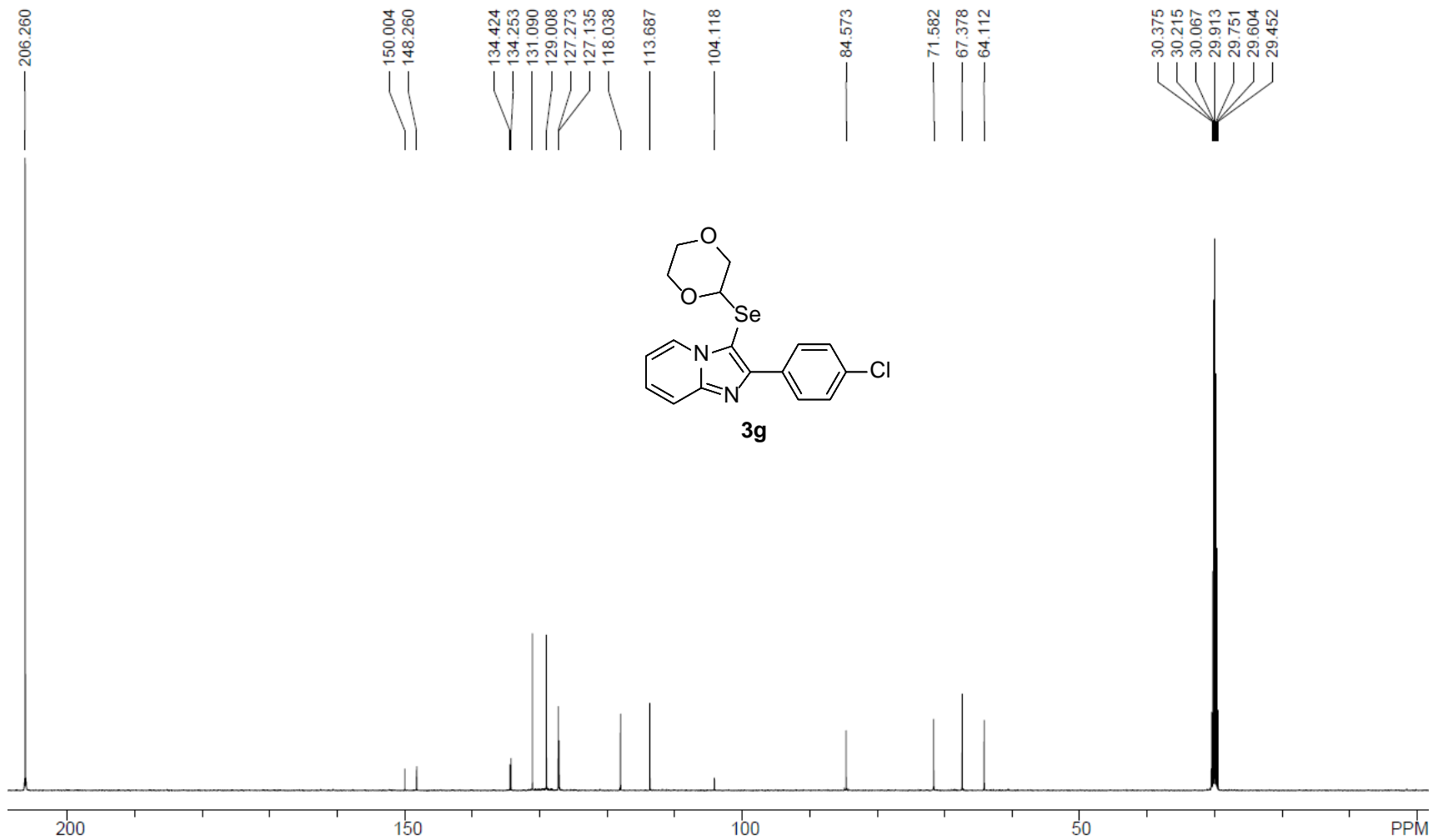


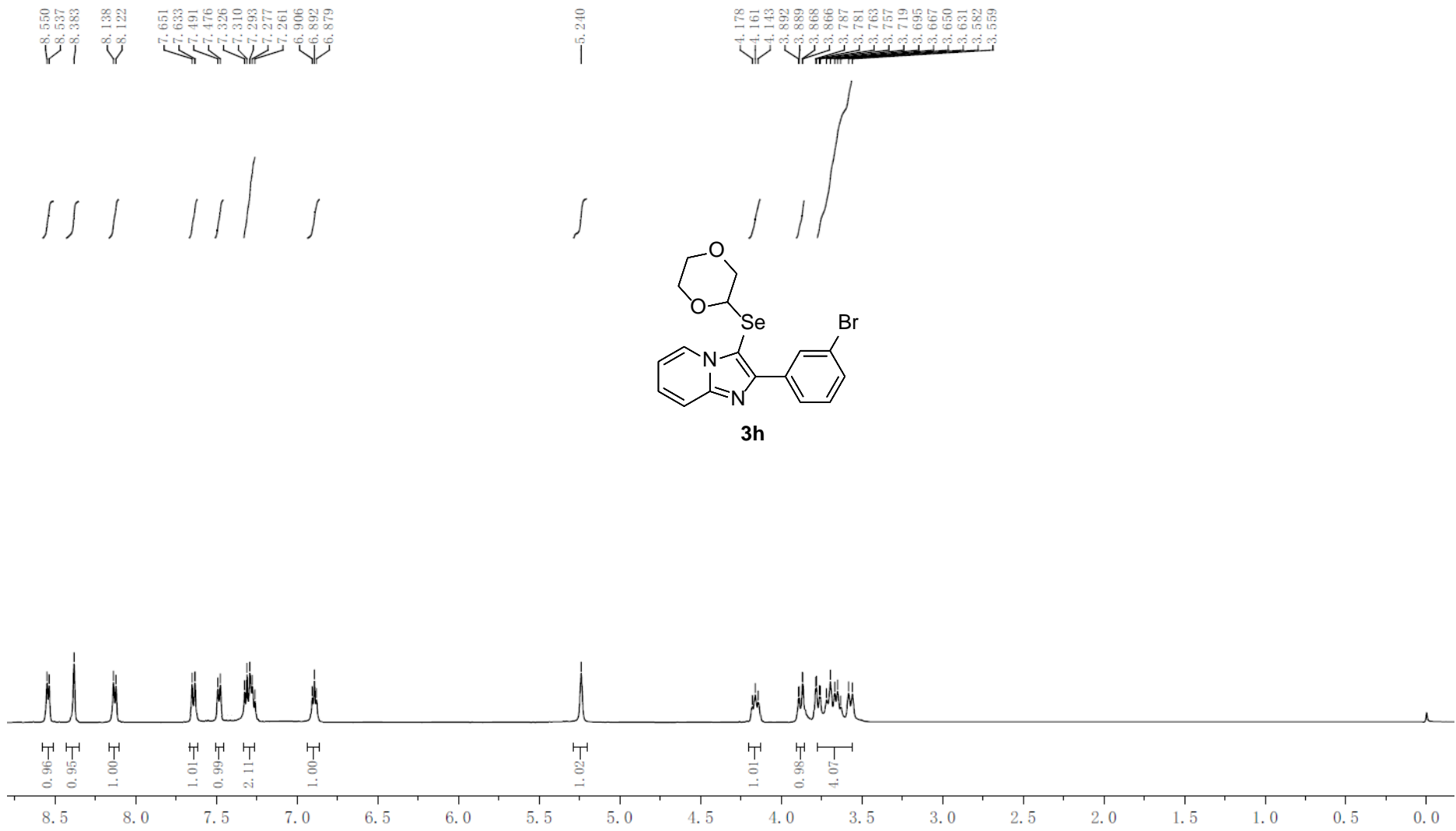


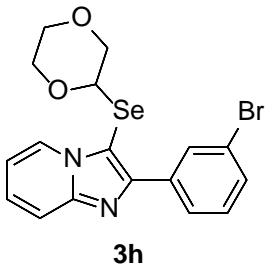
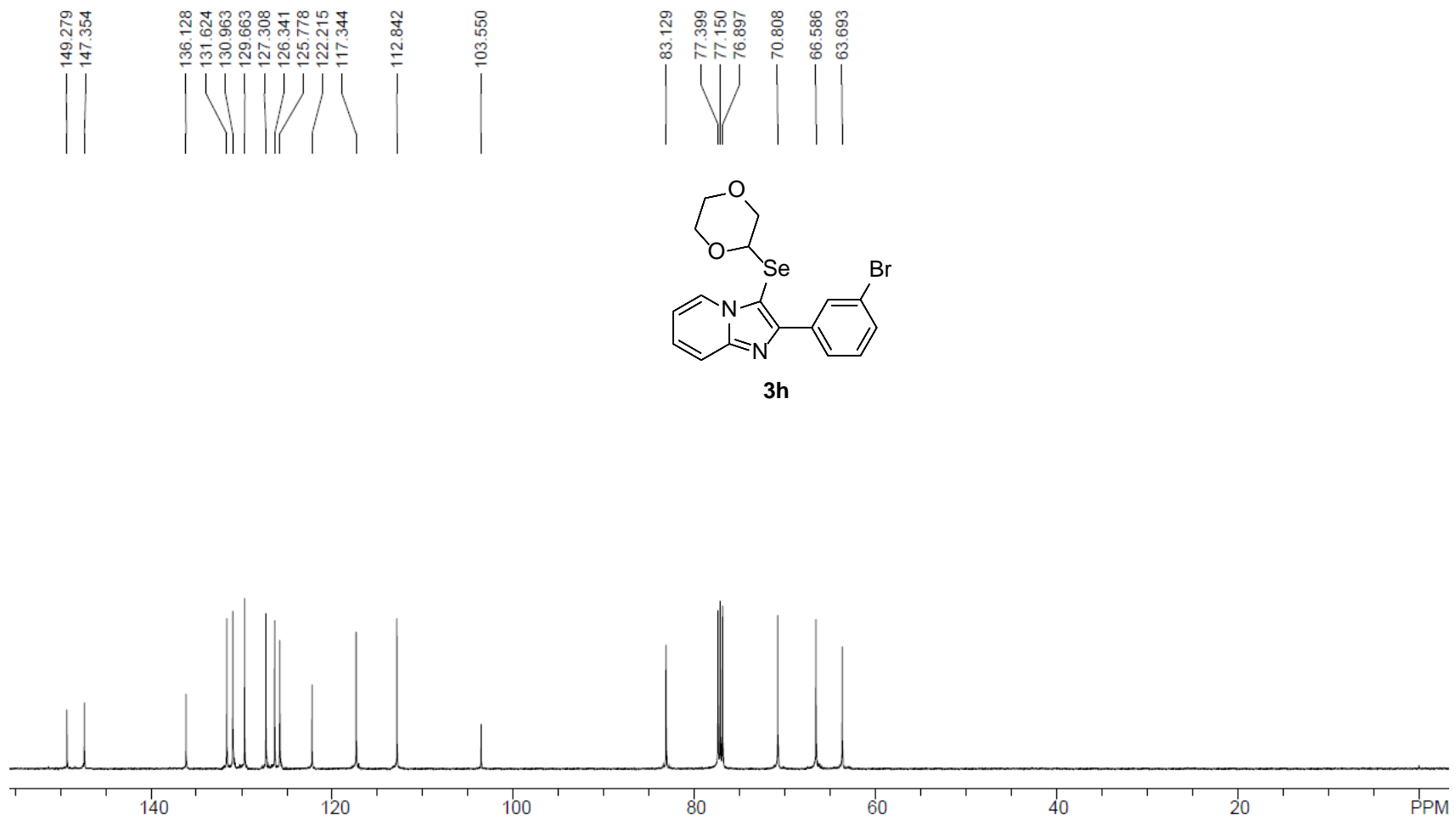


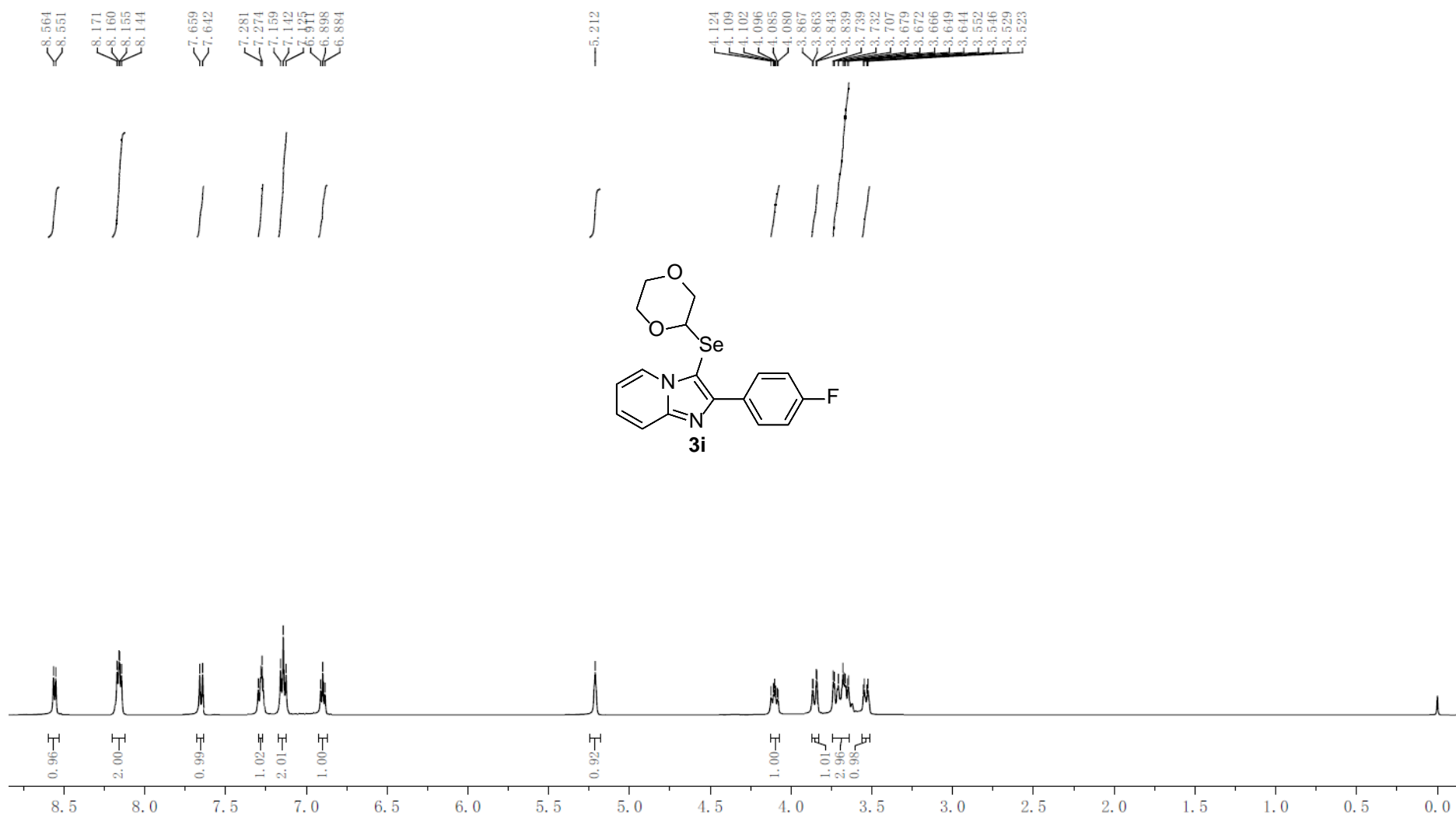


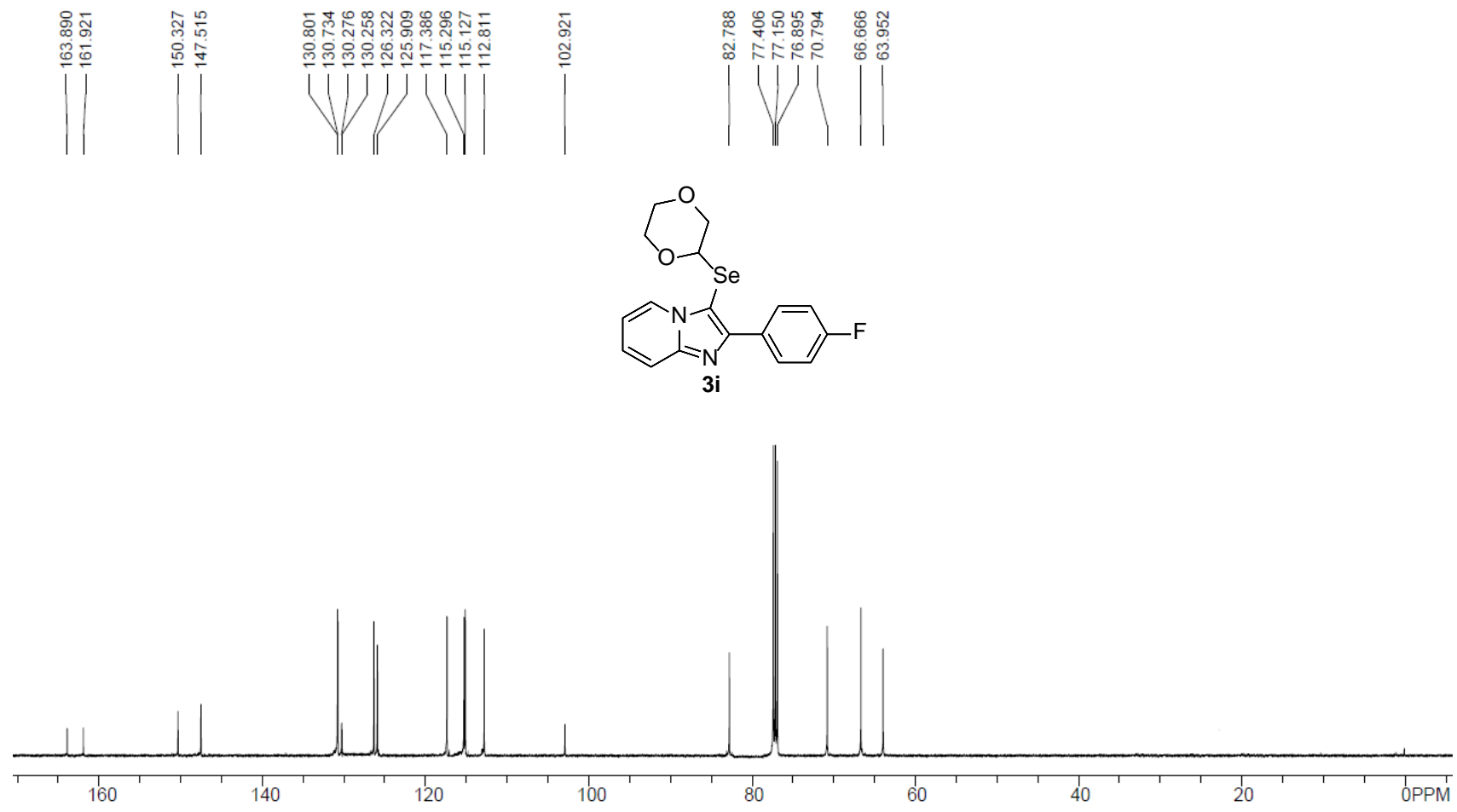


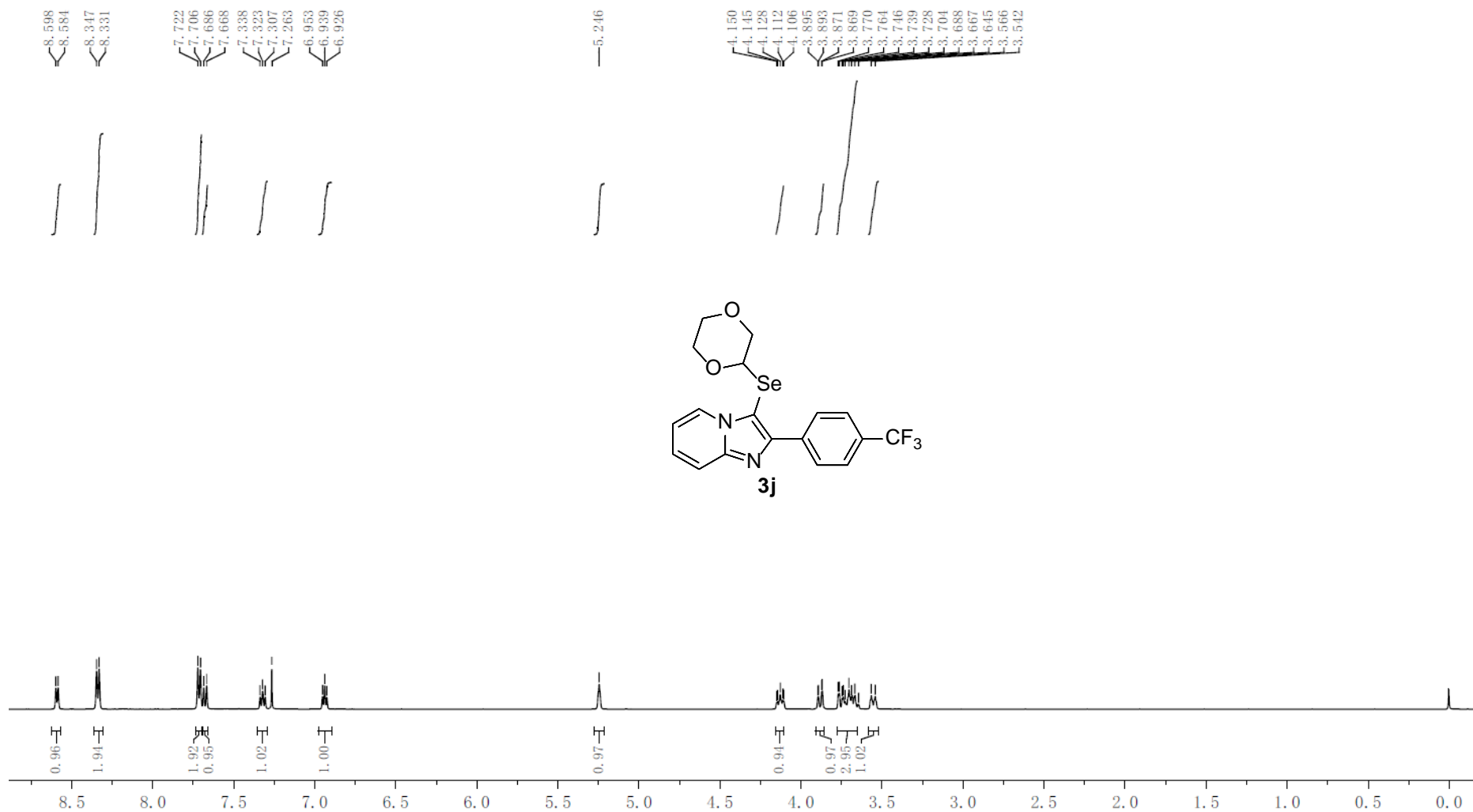


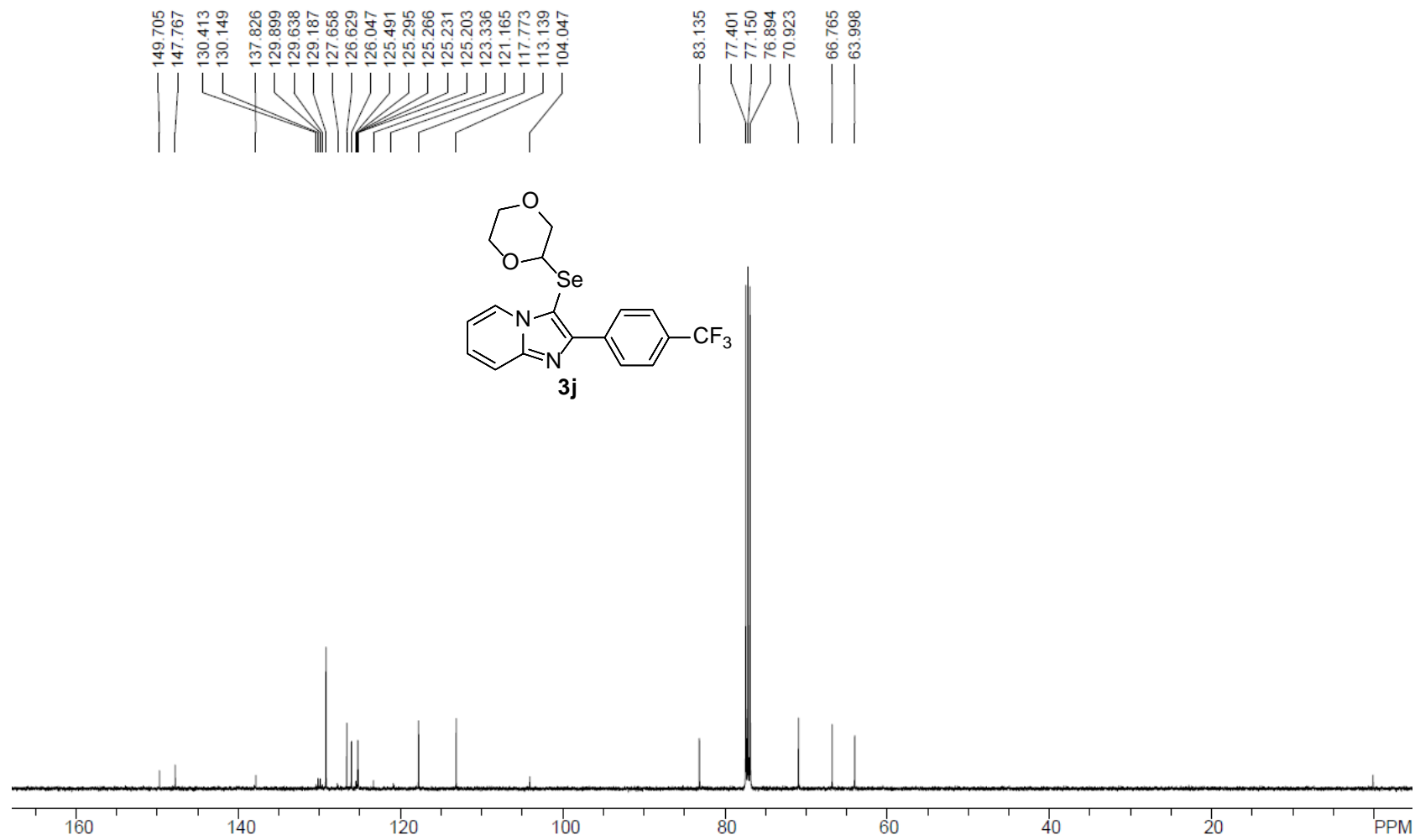


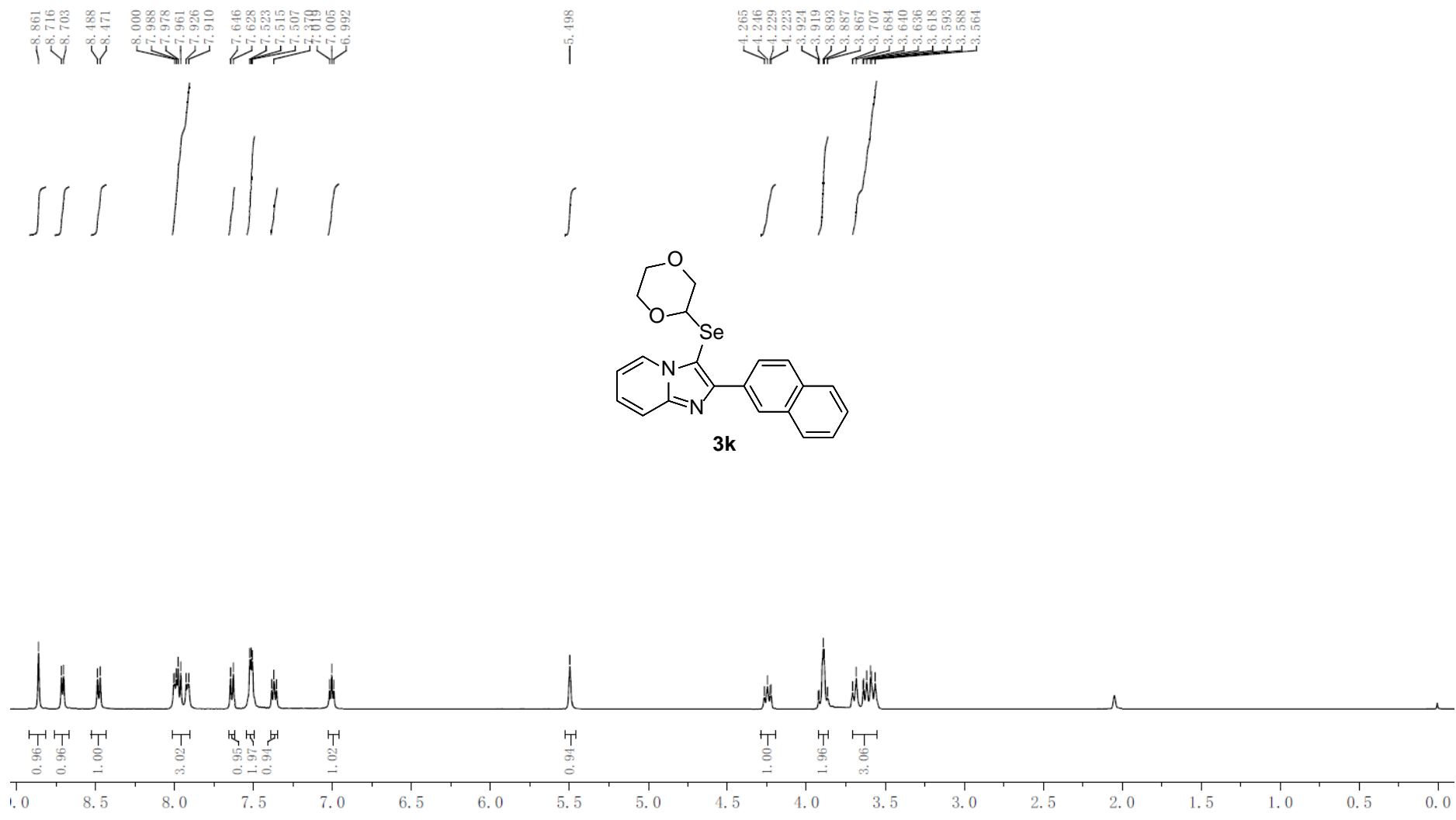


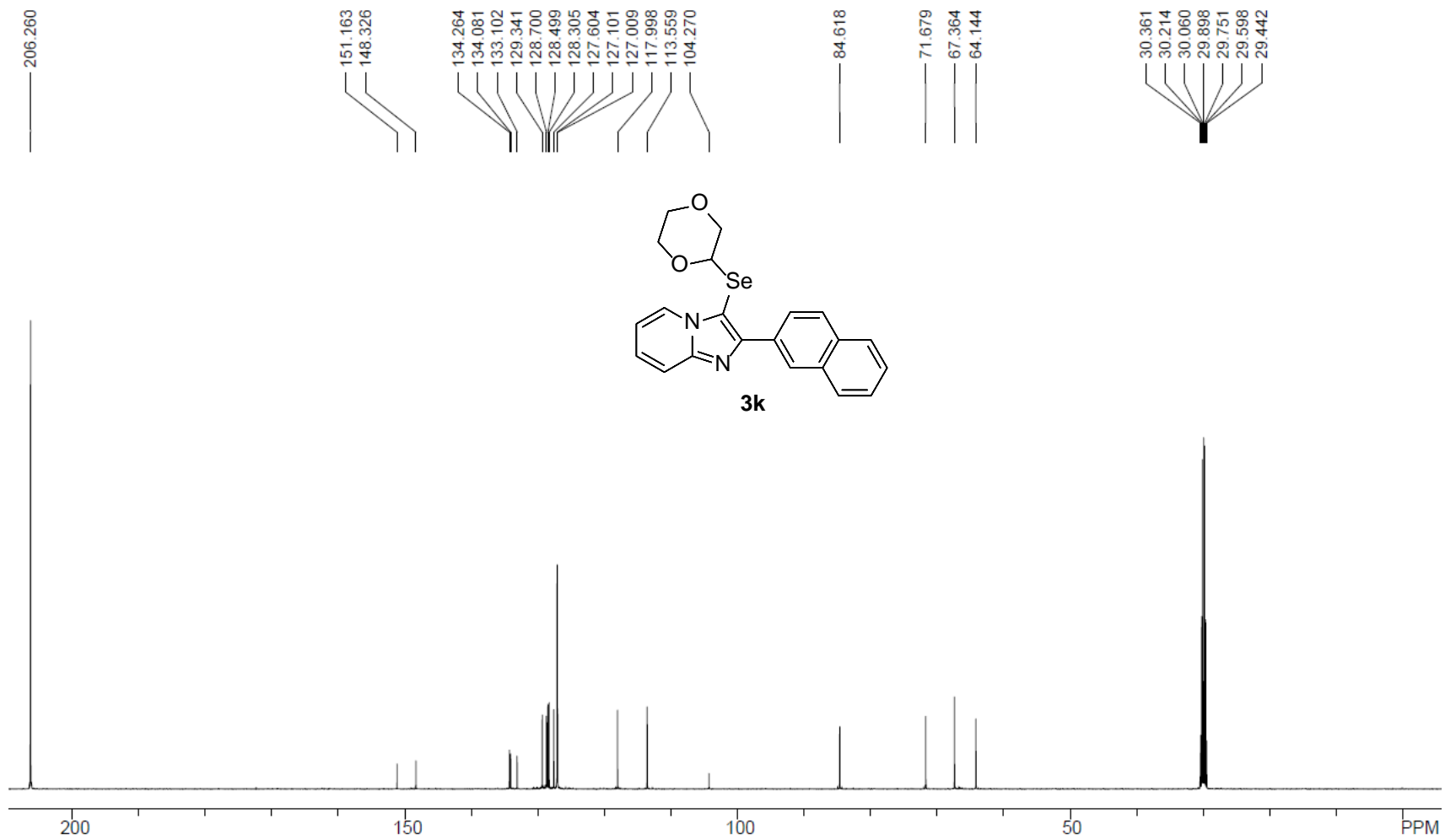


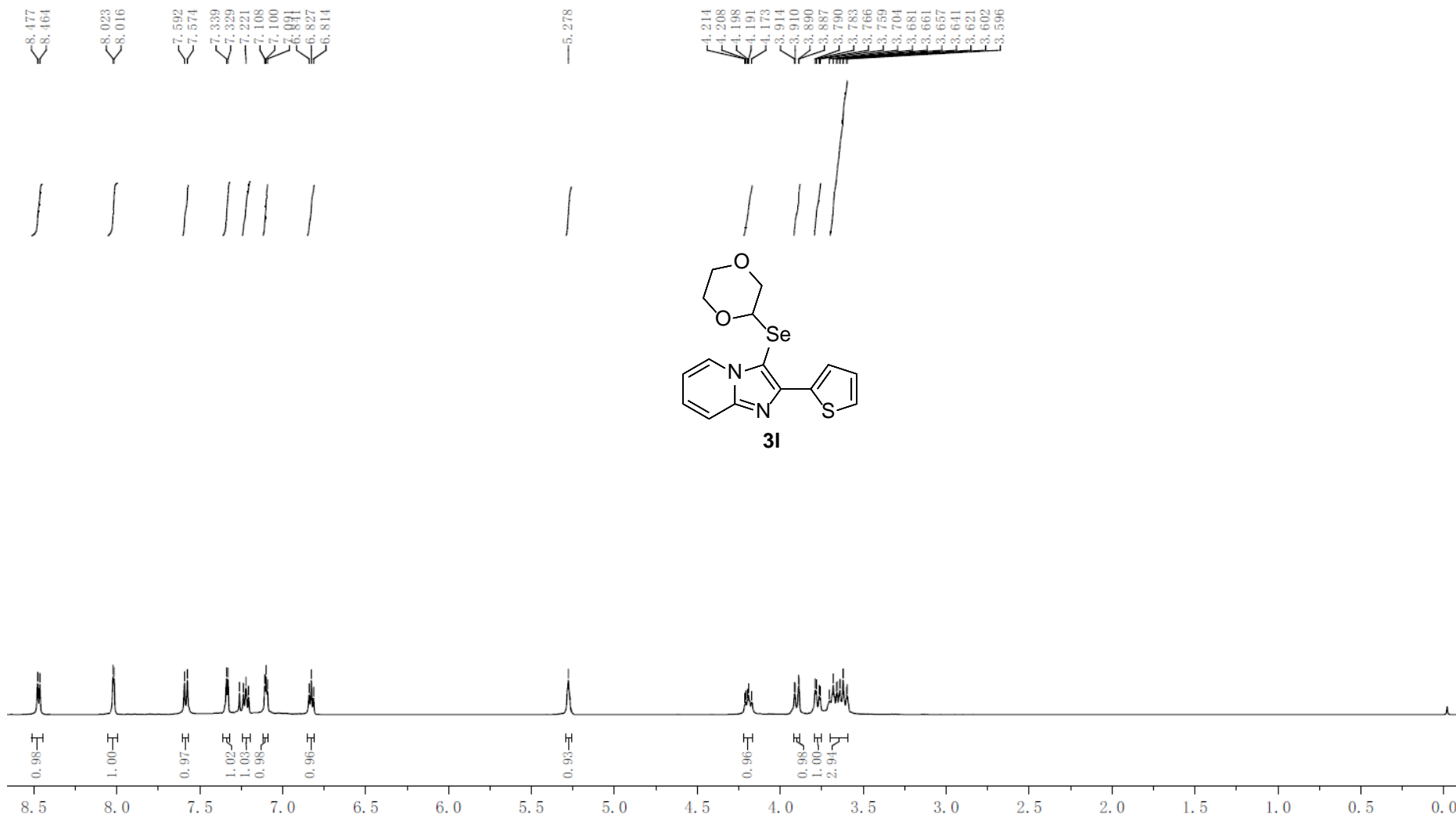


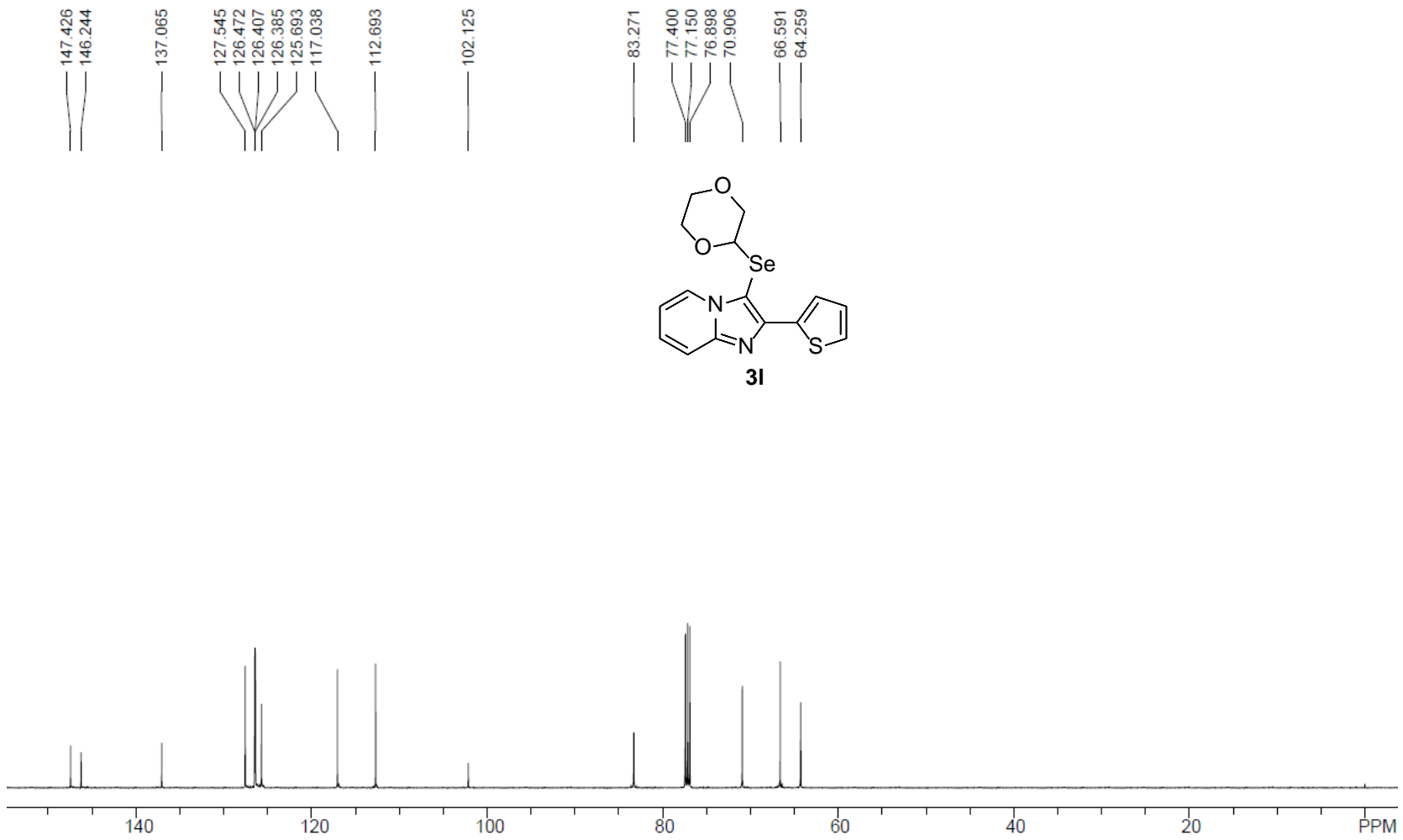


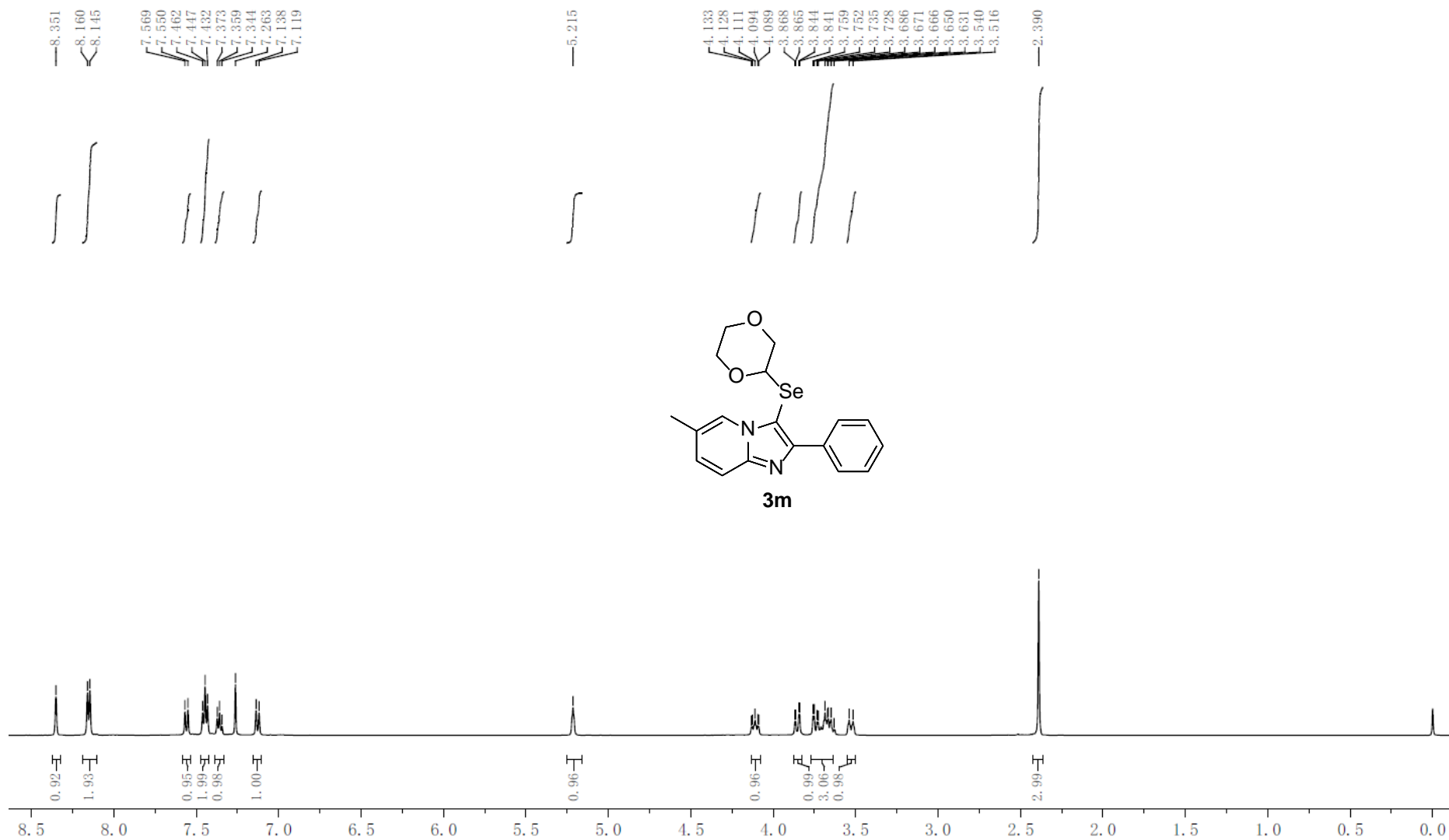


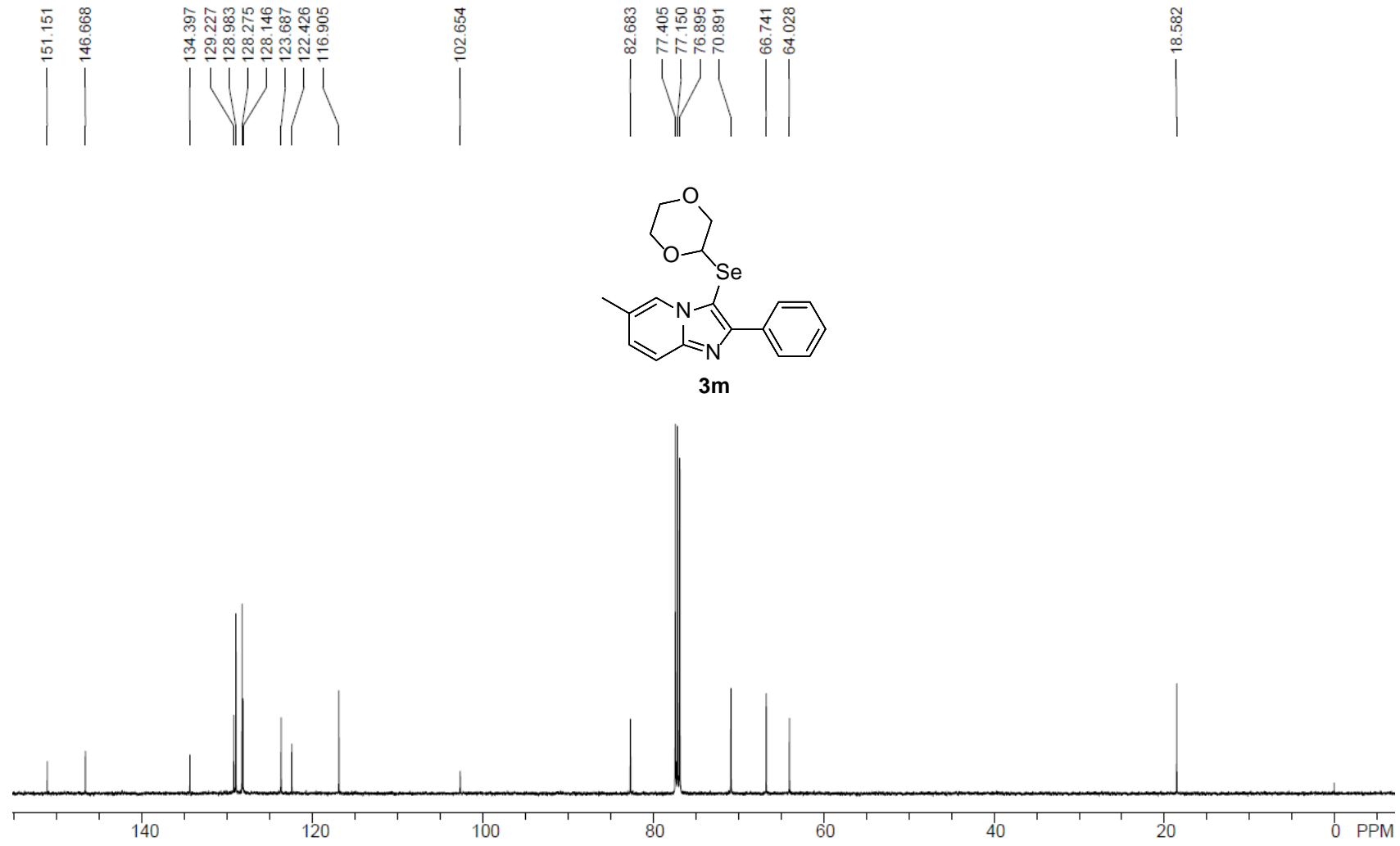








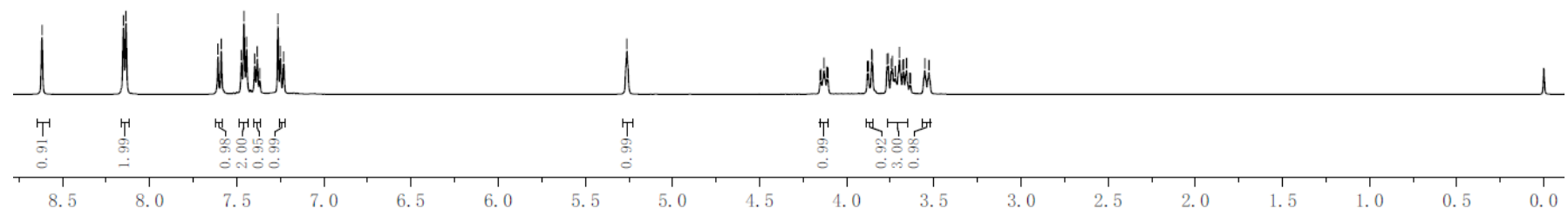
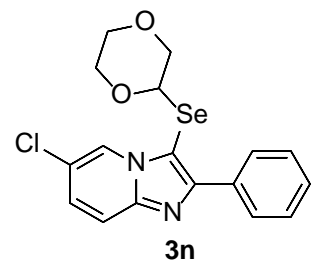


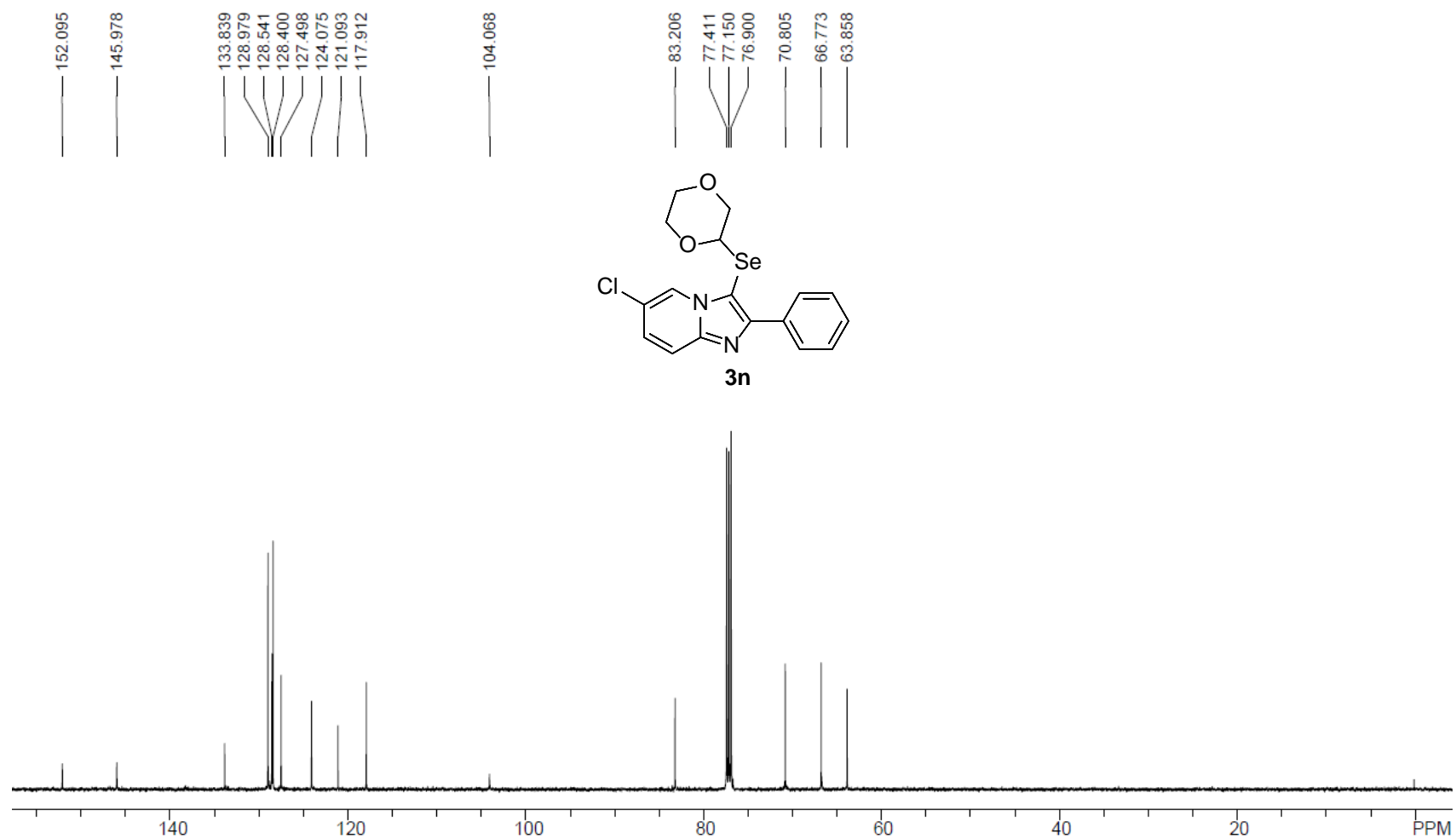


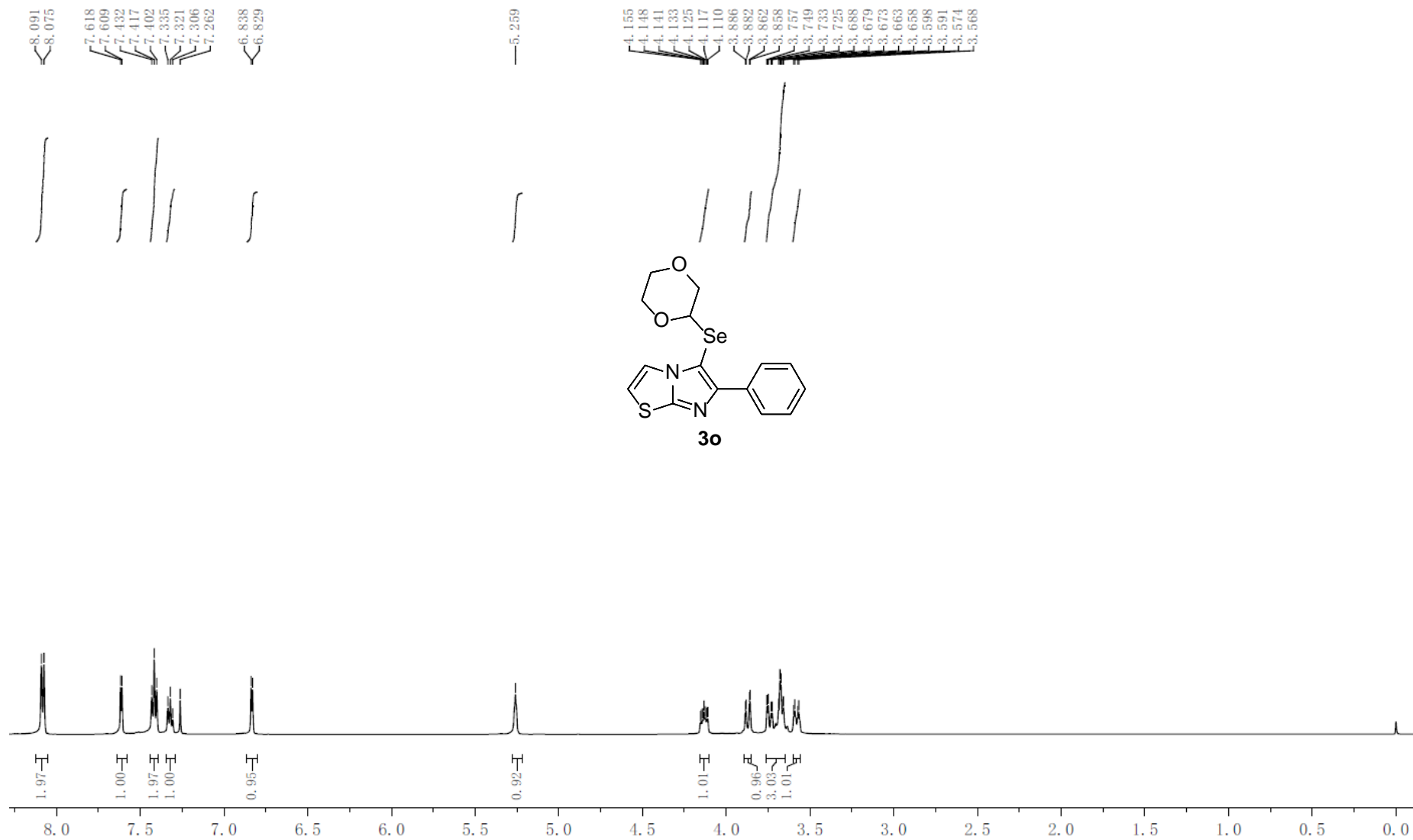
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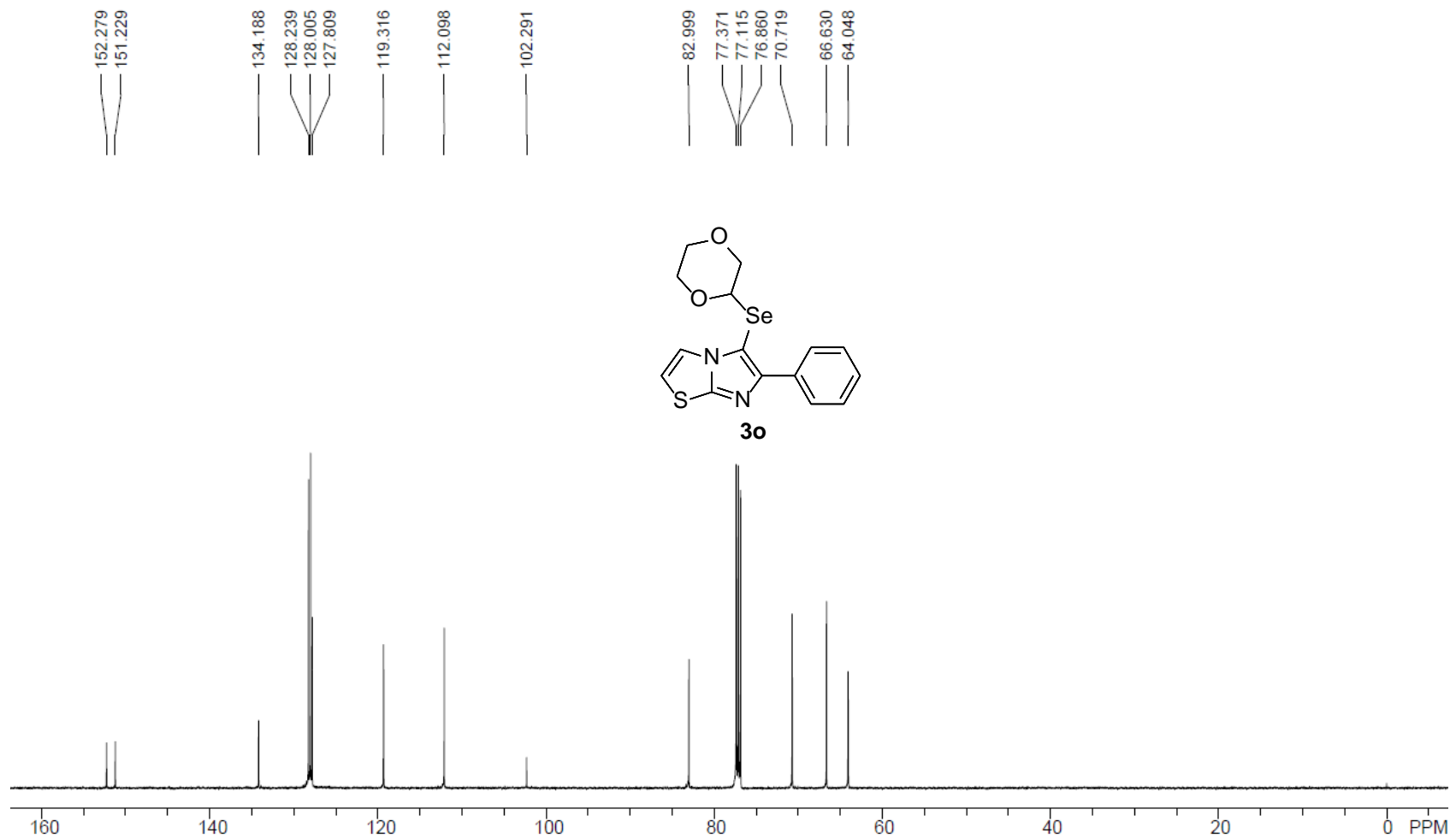


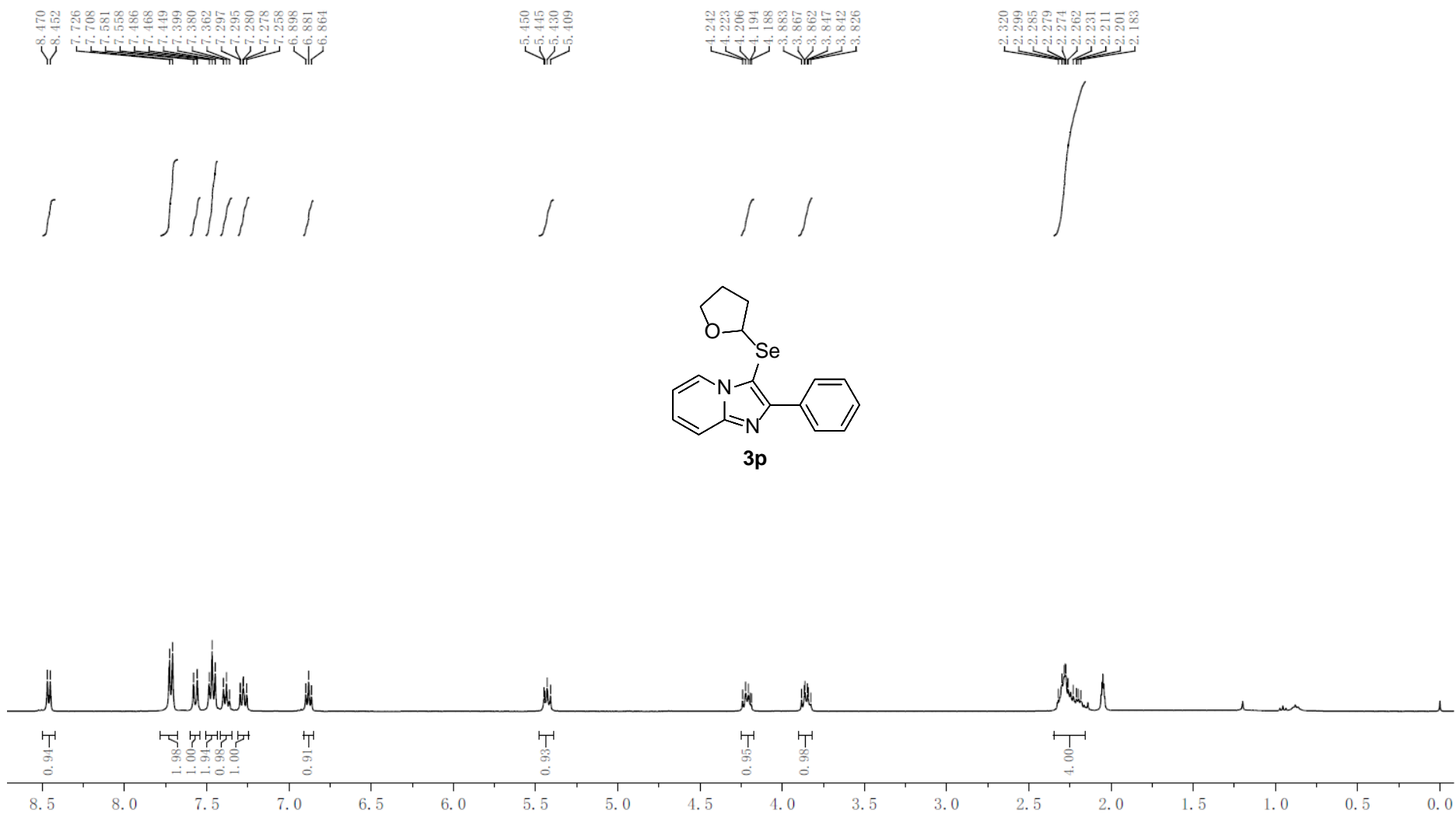
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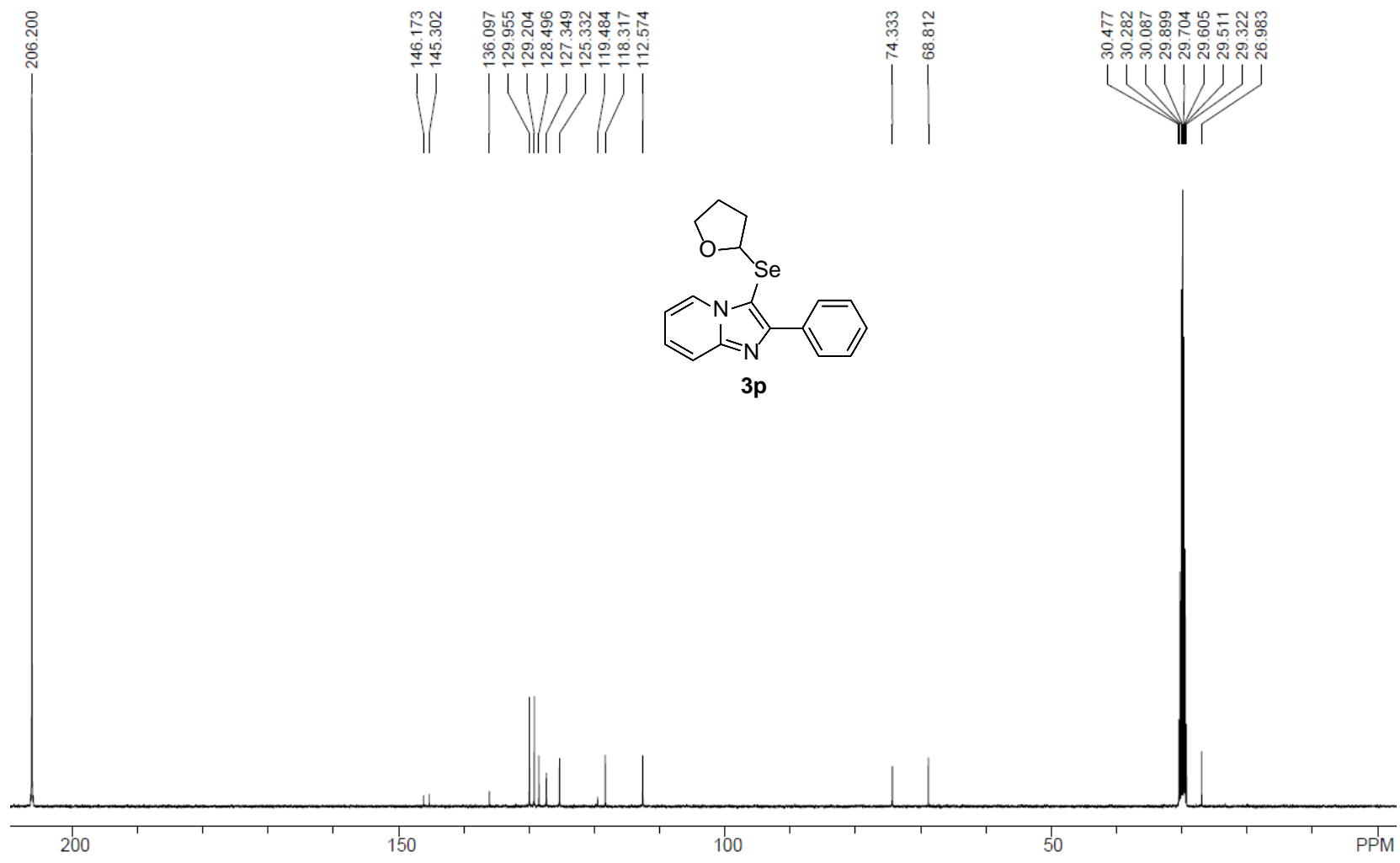


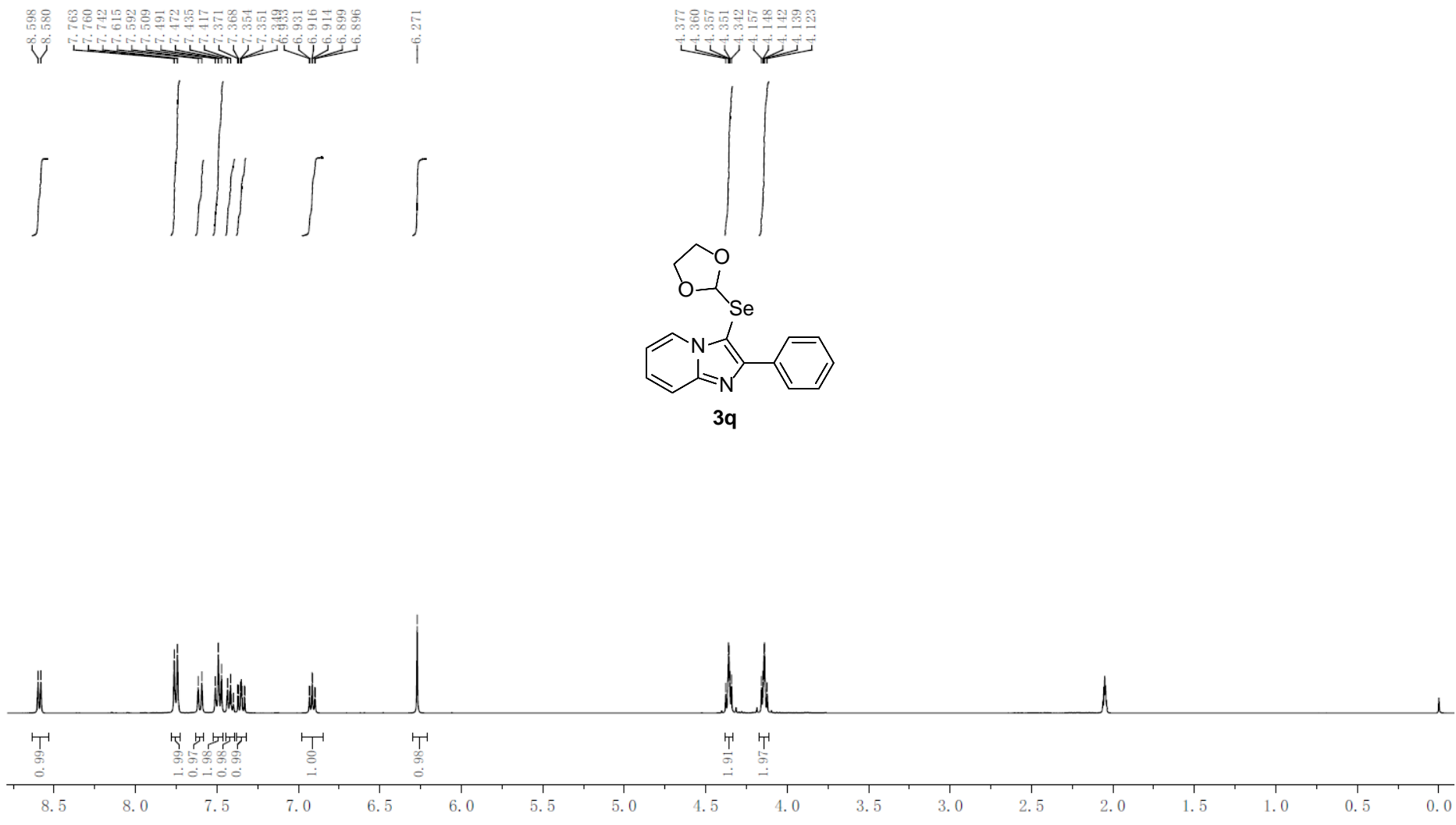


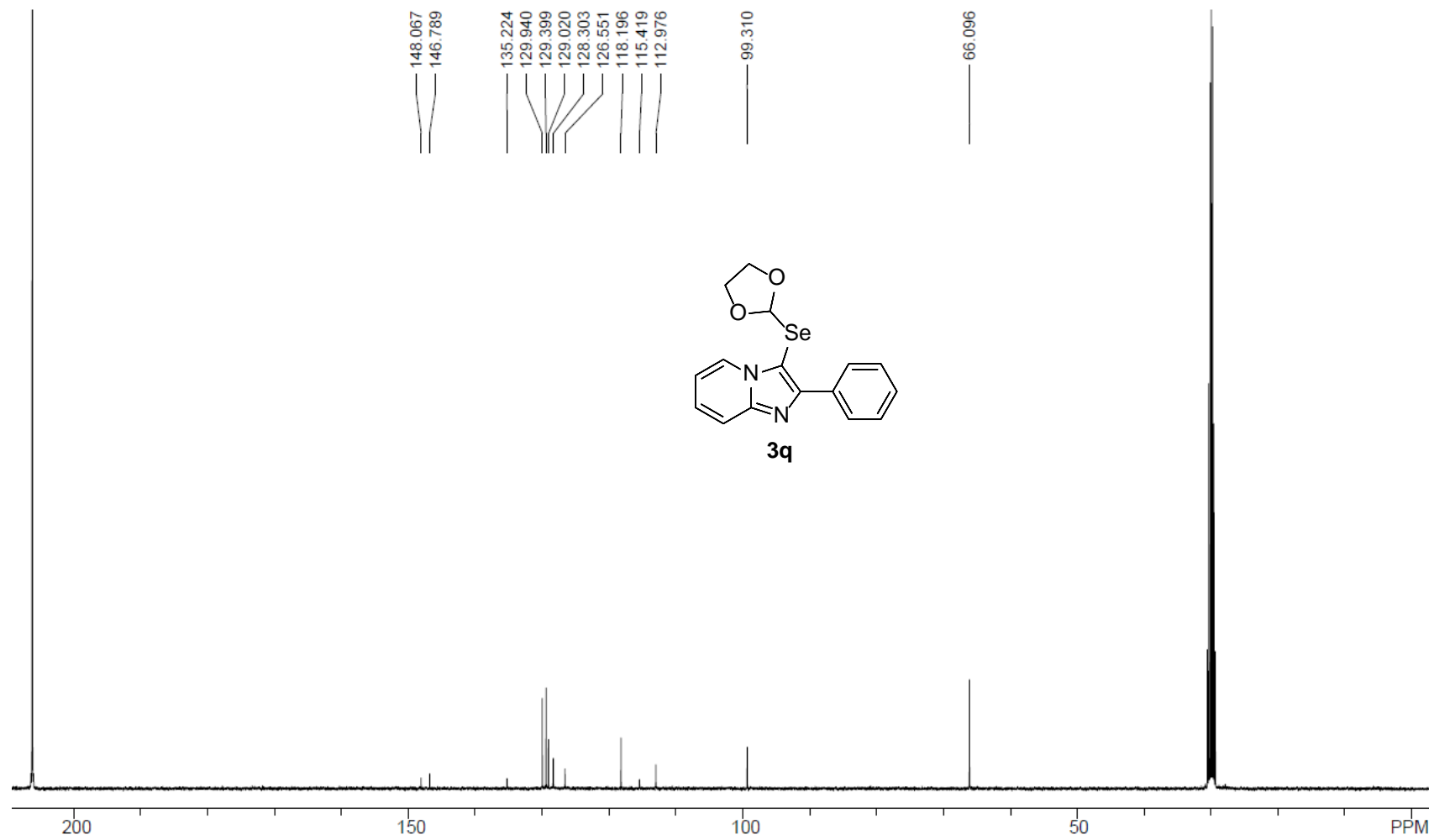


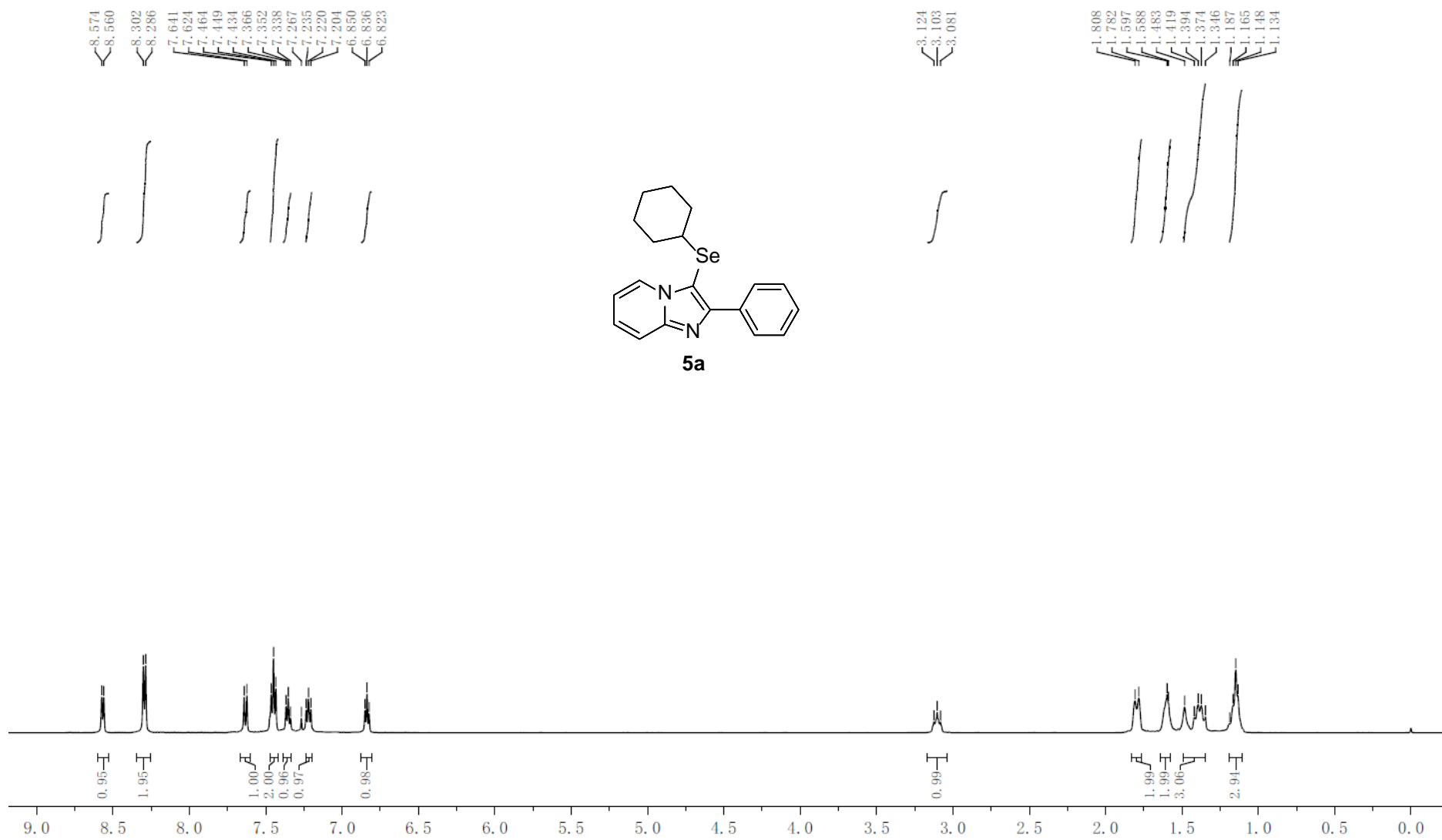


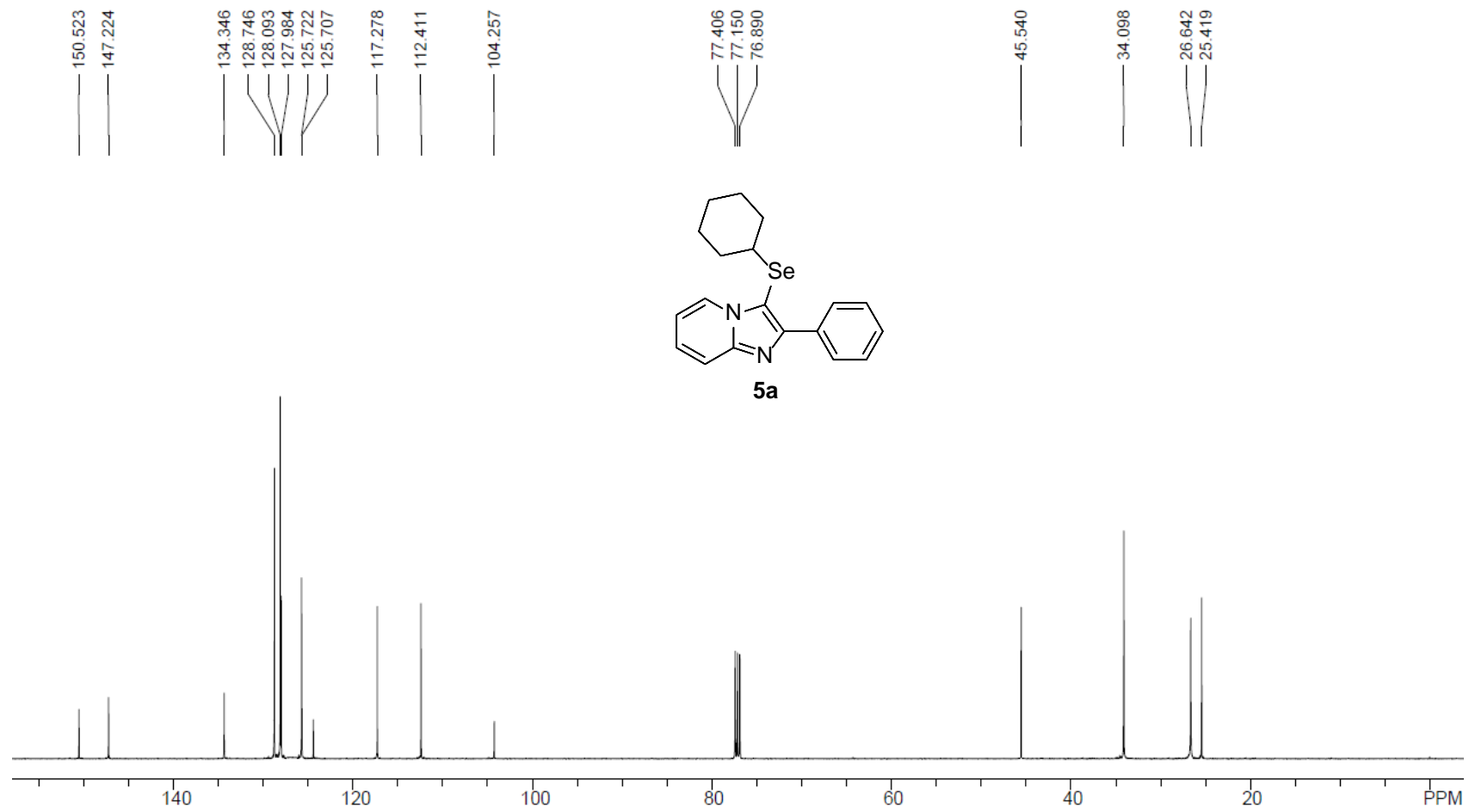




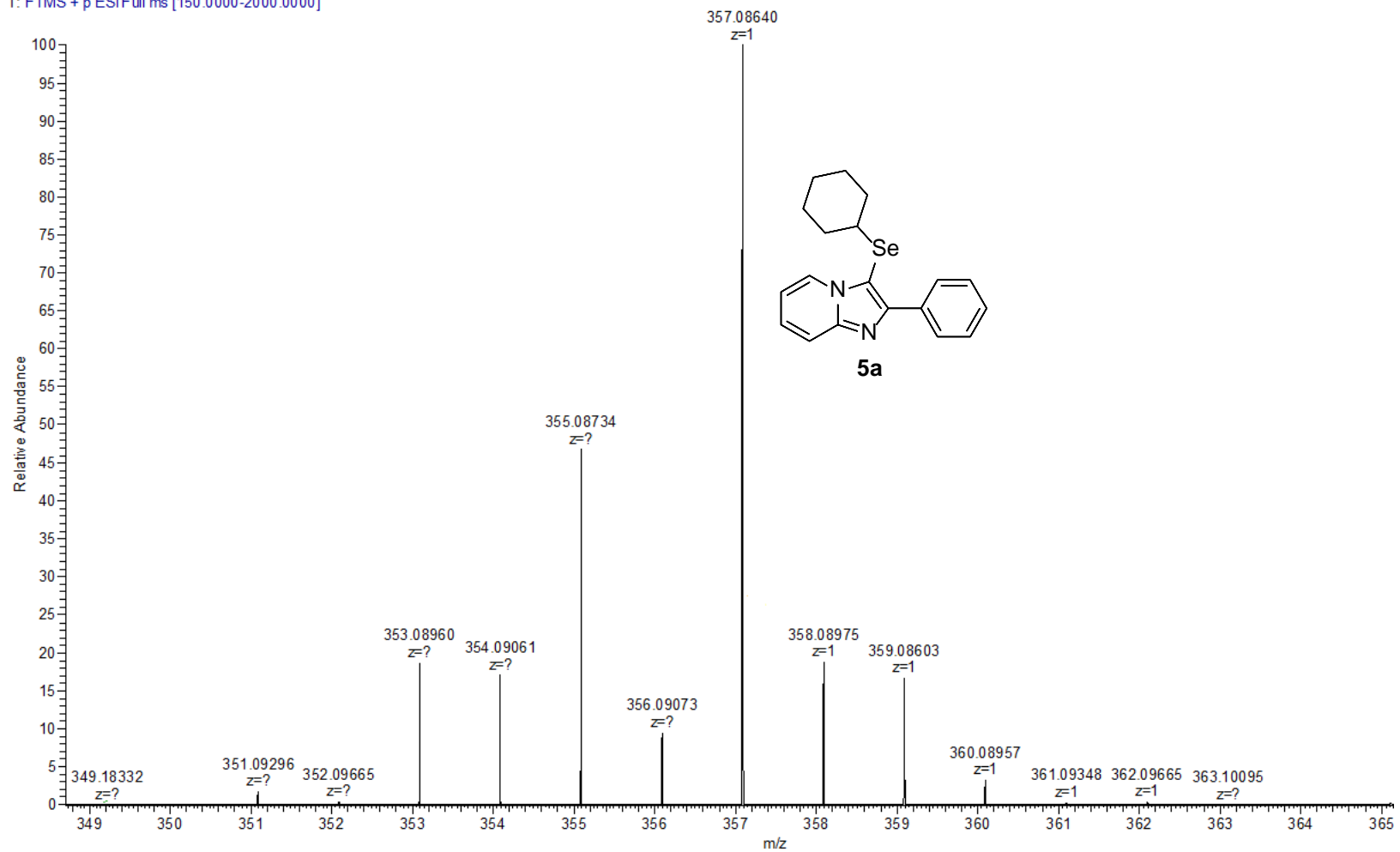


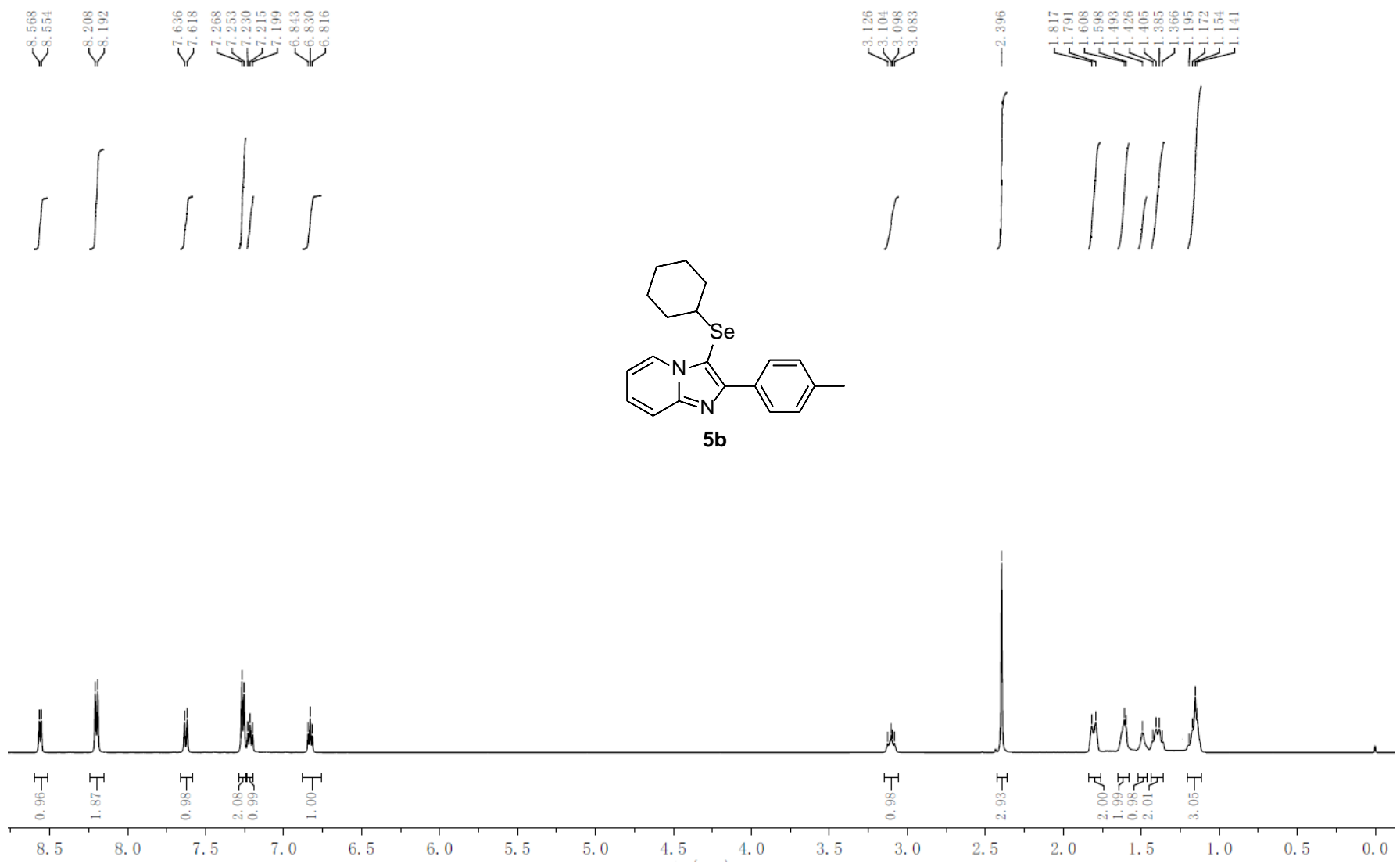




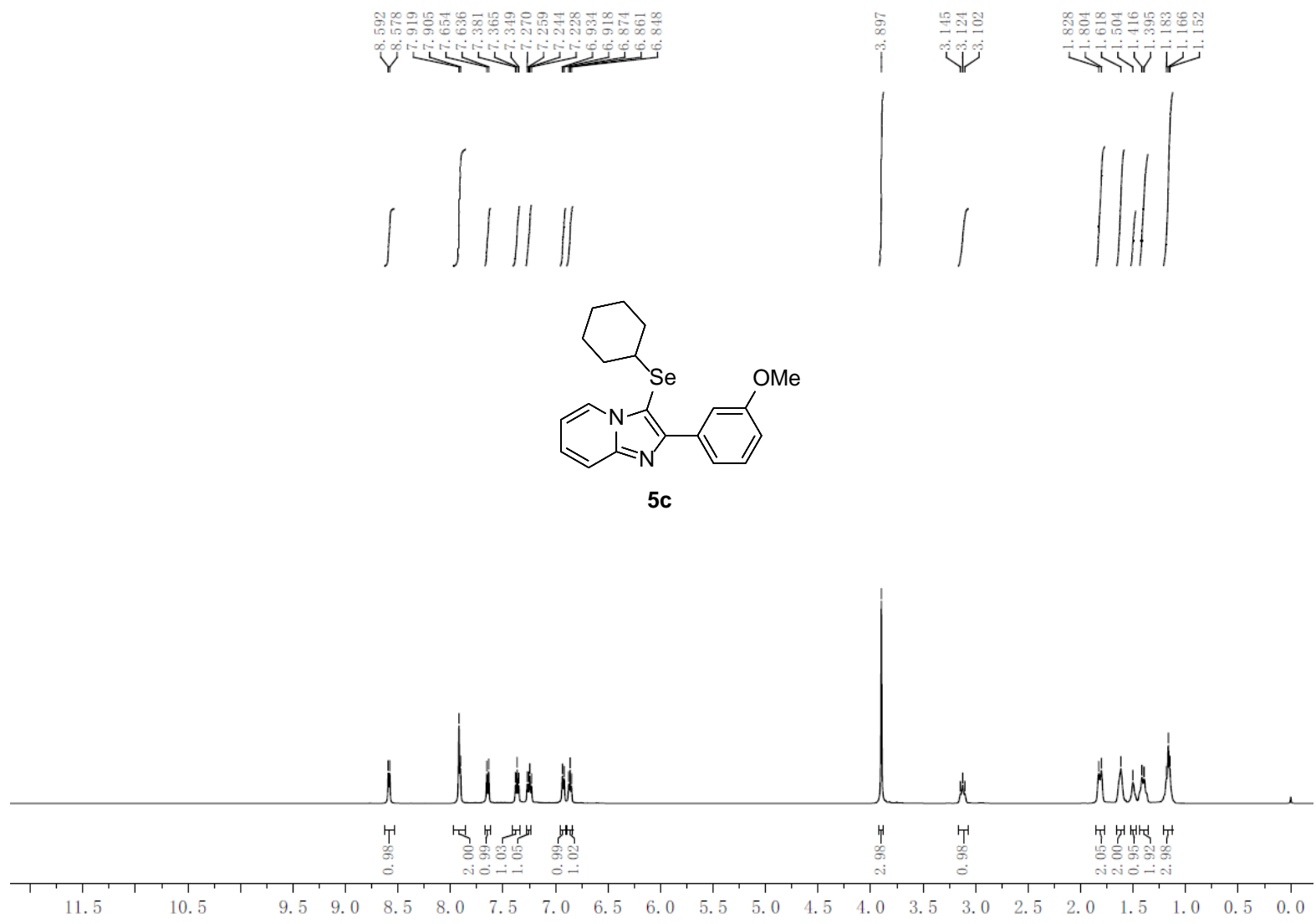


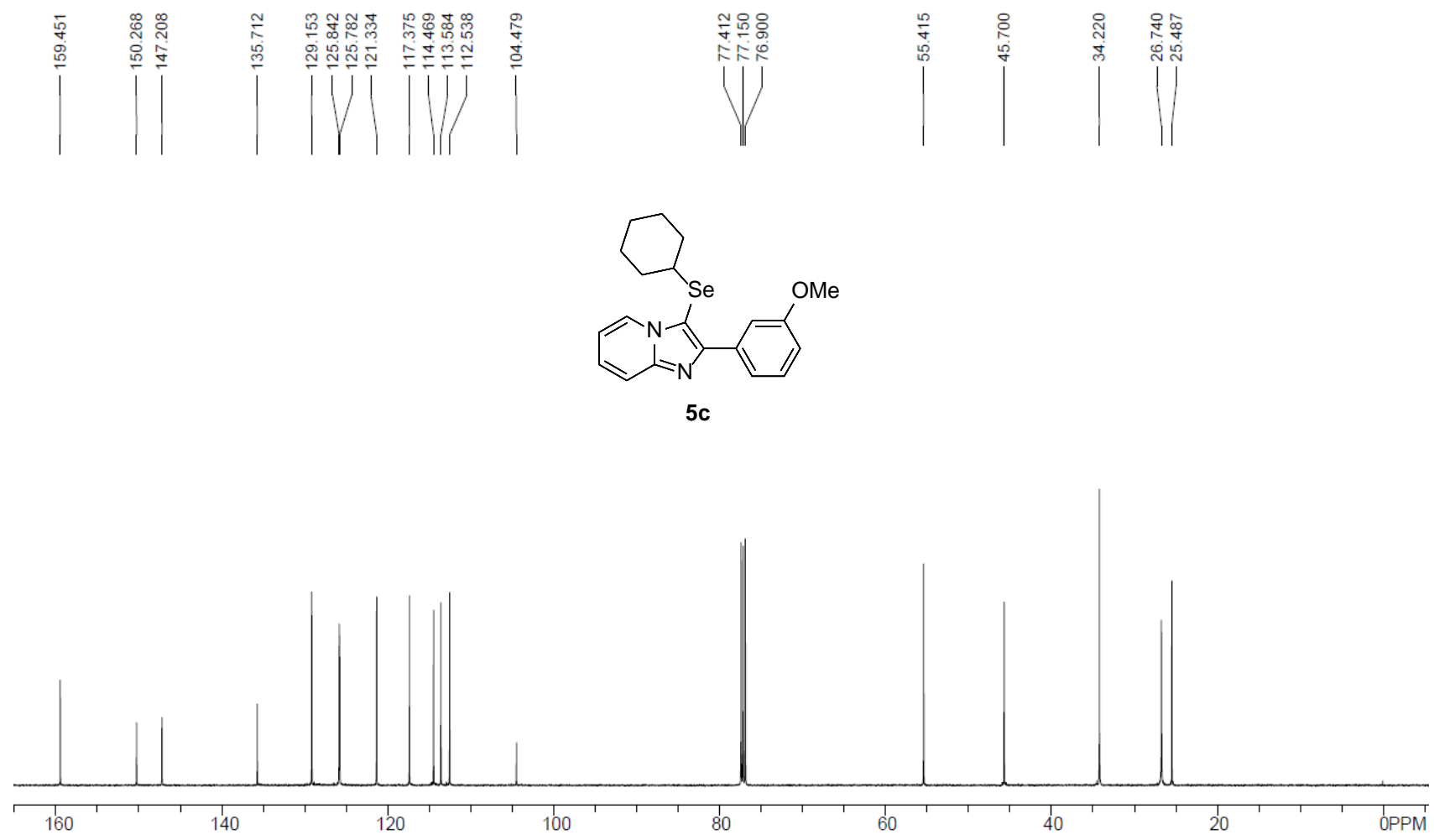
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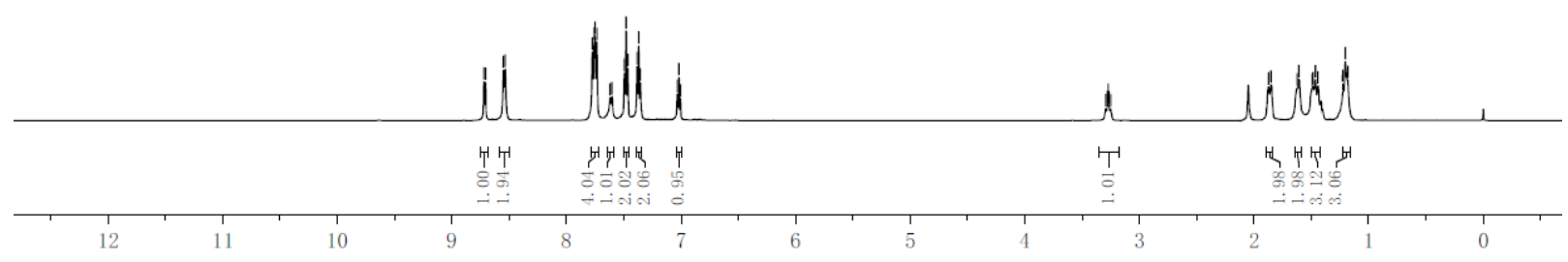
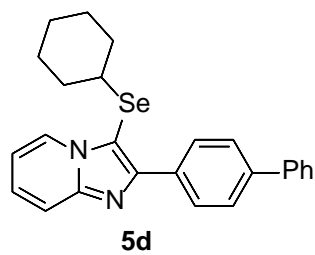


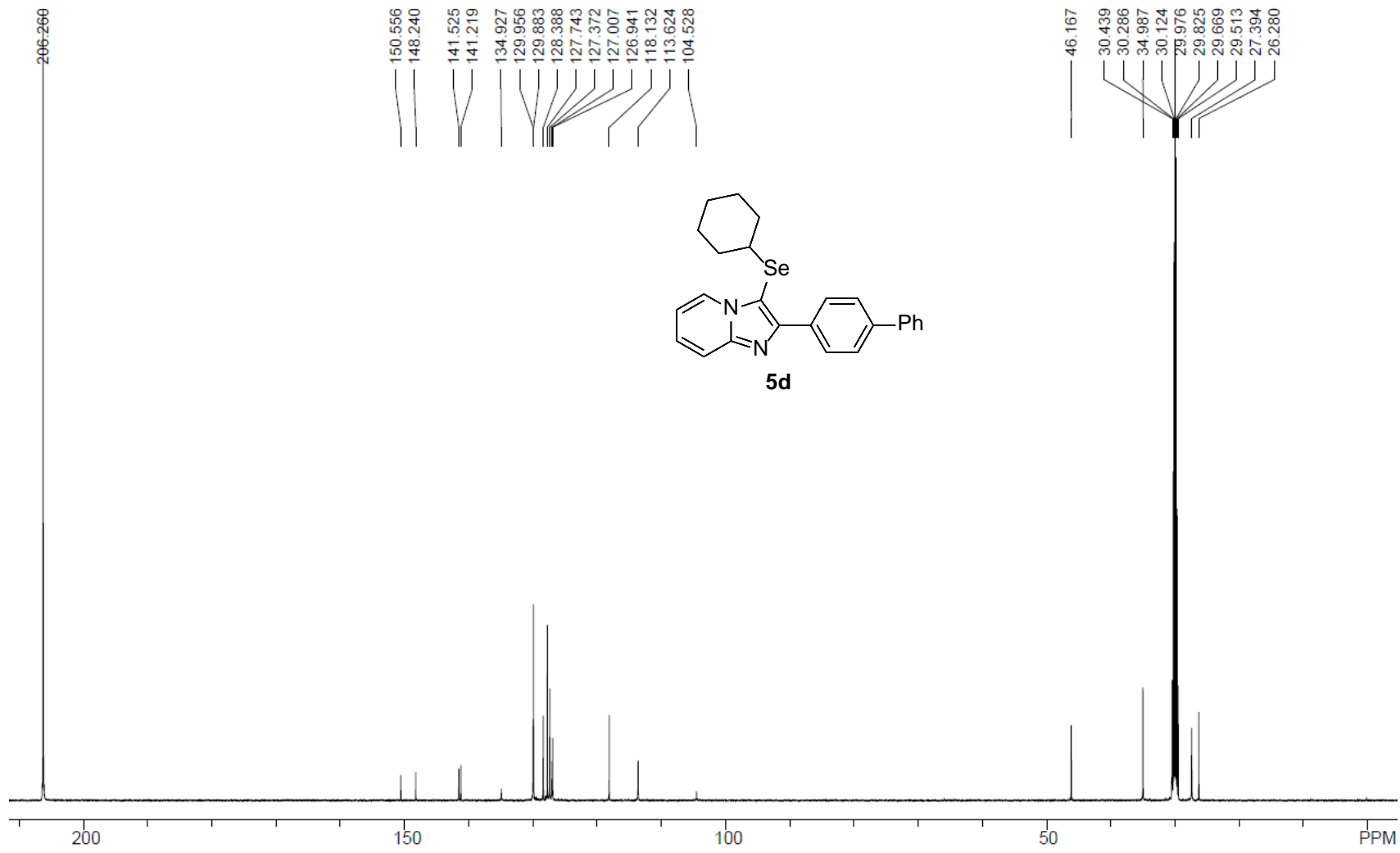












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