

Supporting Information

Molecular hybrids of pyrazolo[3,4-*b*]pyridine and triazole: Design, synthesis and *in vitro* antibacterial studies

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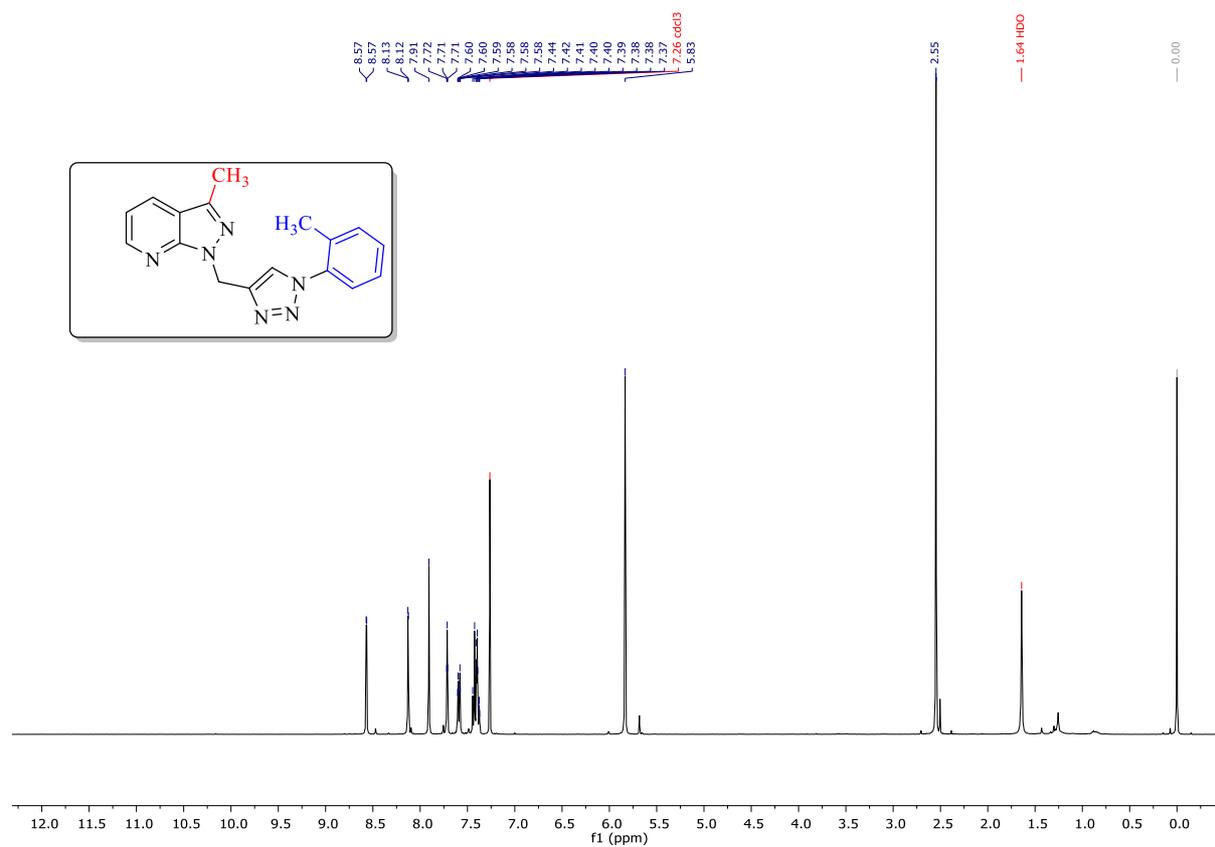
³Department of Science and Humanities, MLR Institute of Technology, Dundigal, Medchal, Hyderabad, INDIA 500 043

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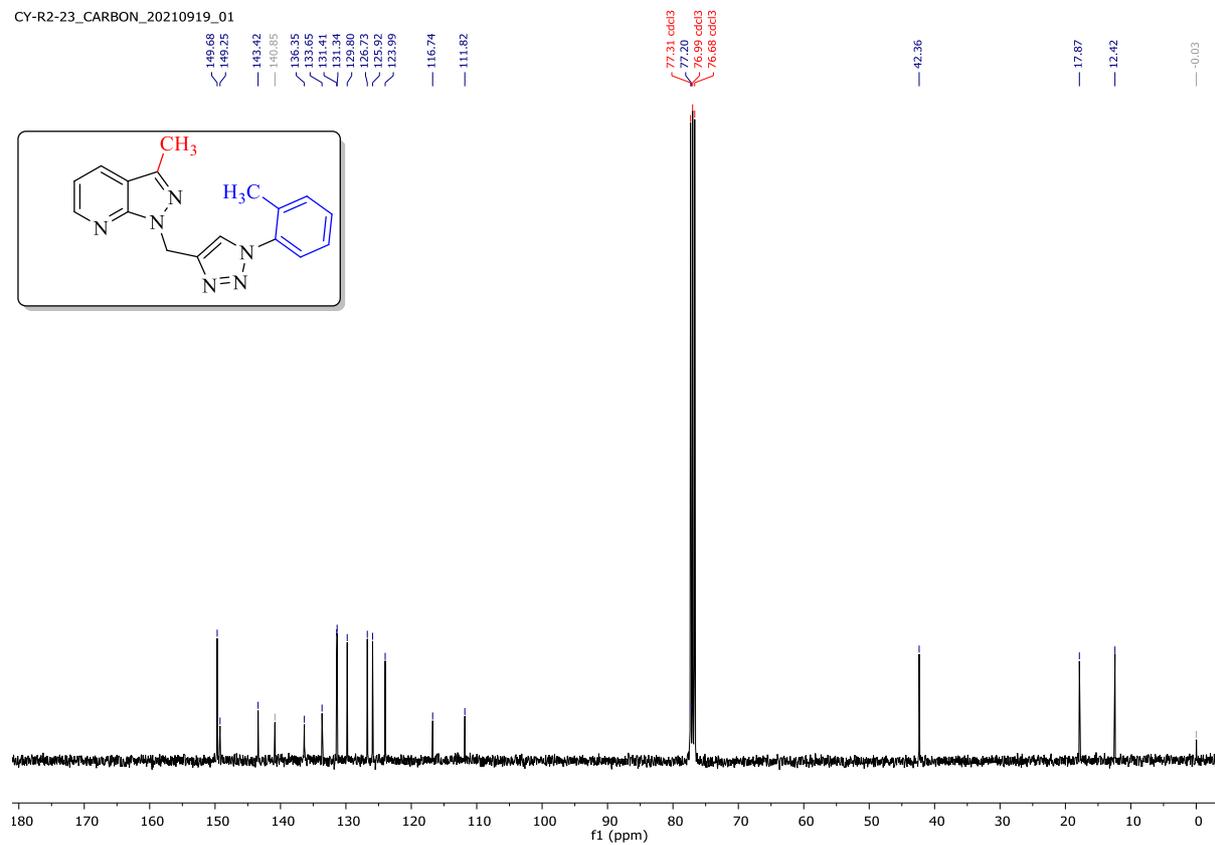
*Corresponding author: rgundla@gitam.edu; bkolli@gitam.edu

¹H NMR of compound 14

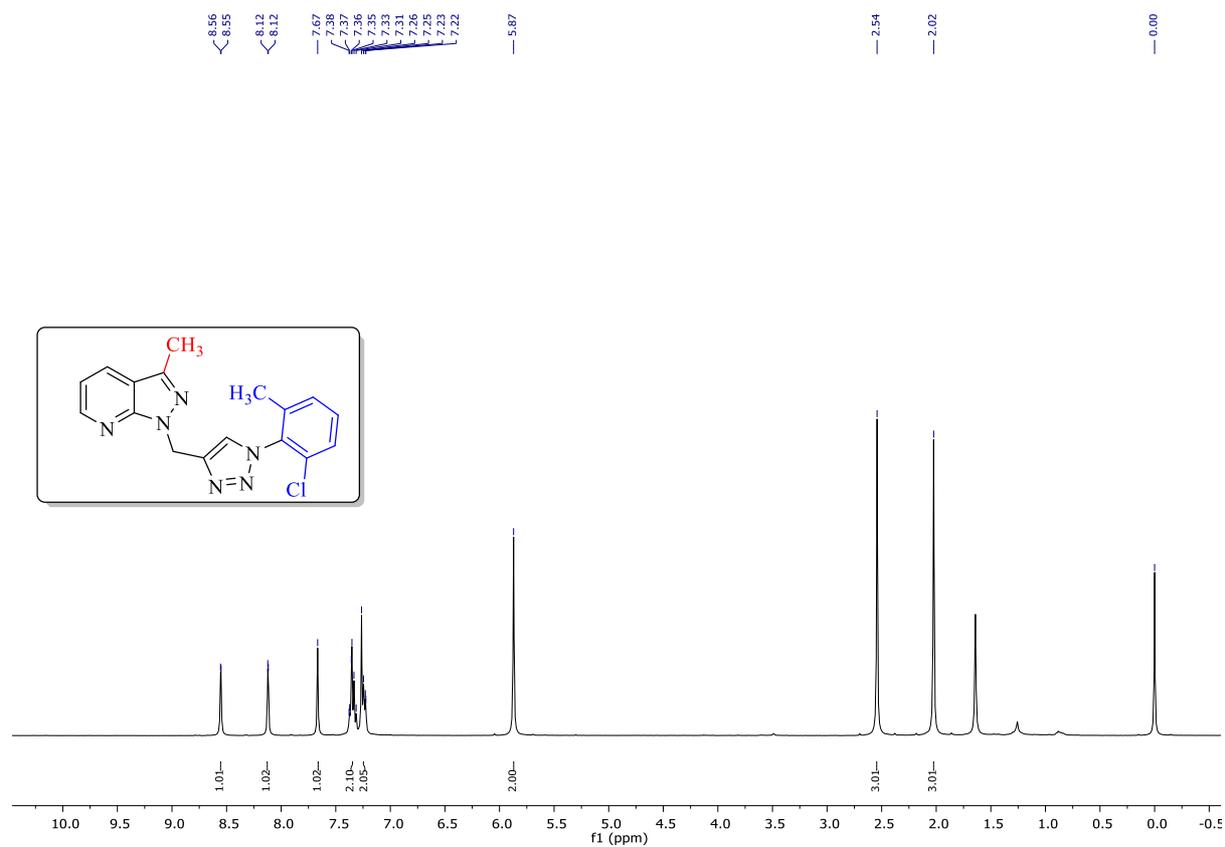


¹³C NMR of compound 14

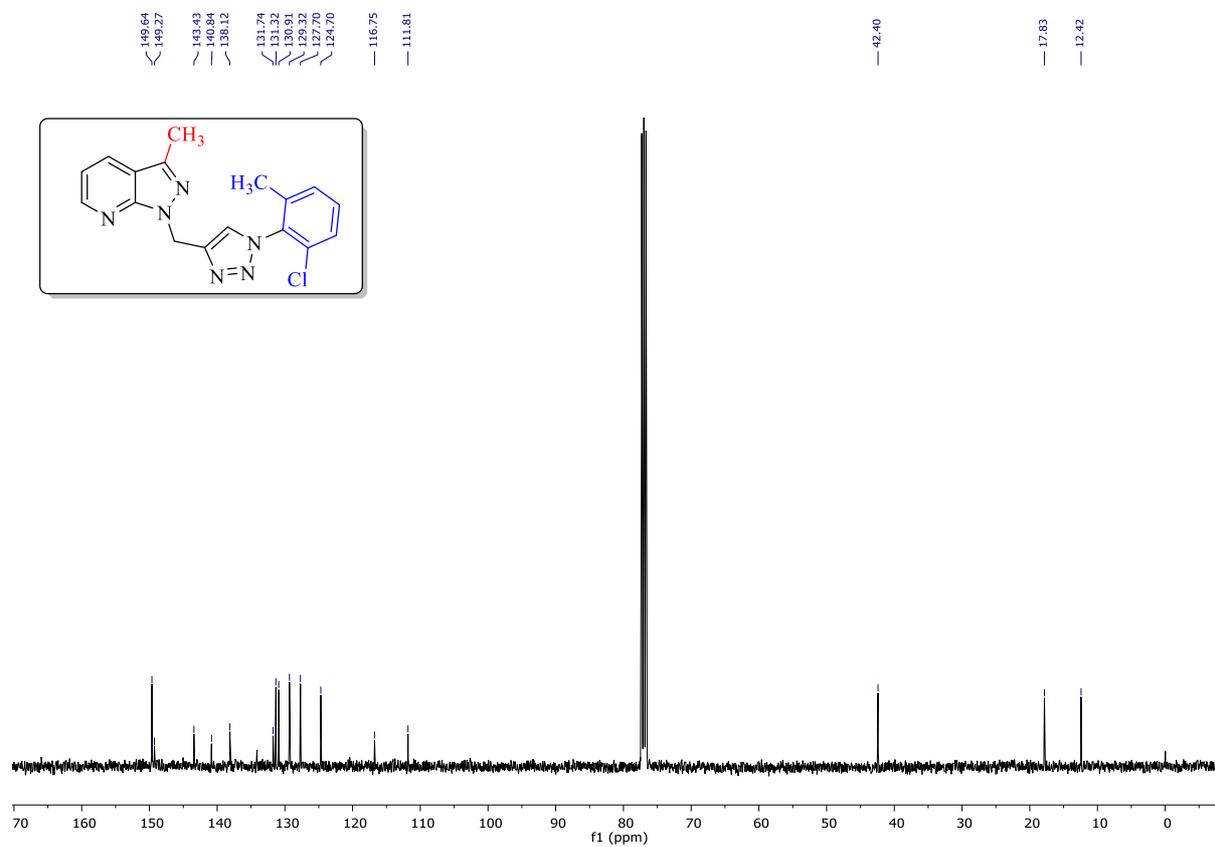
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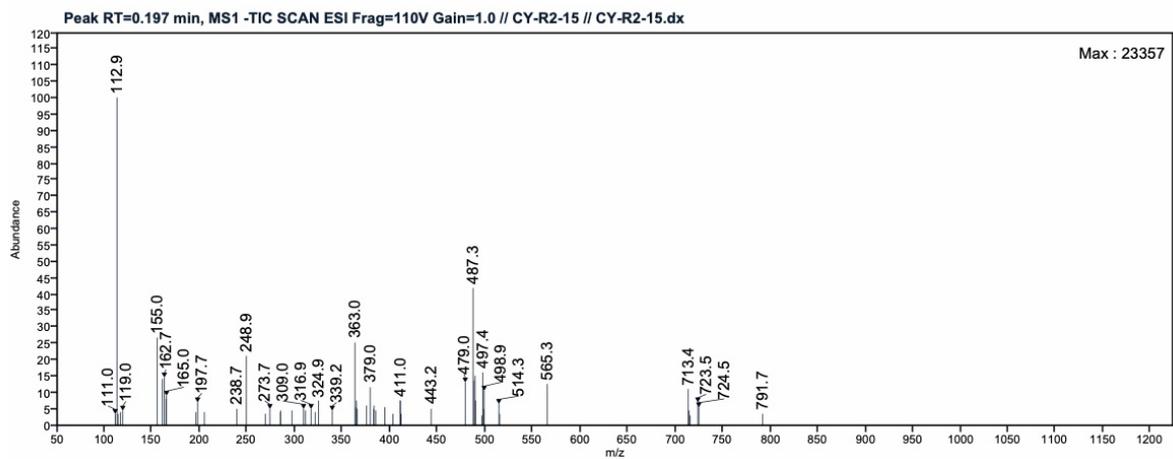
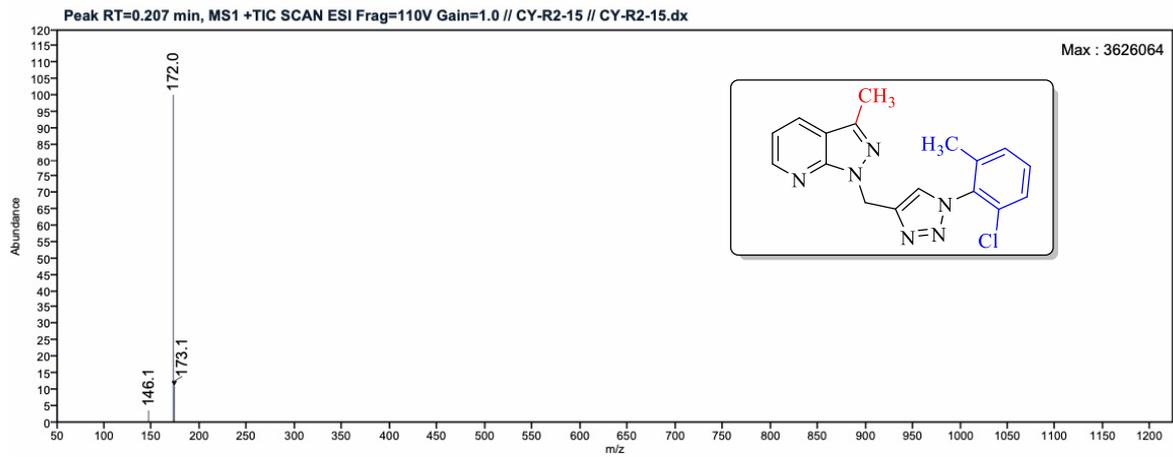
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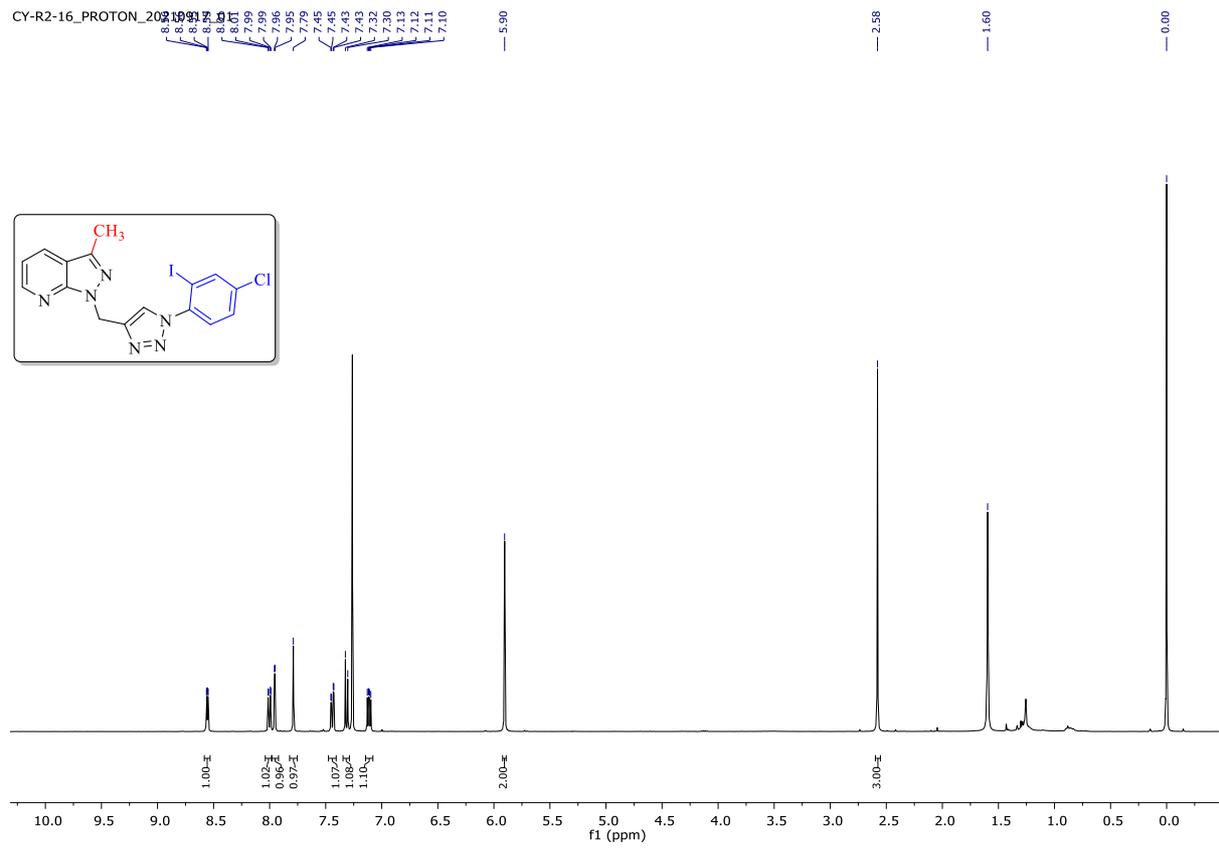
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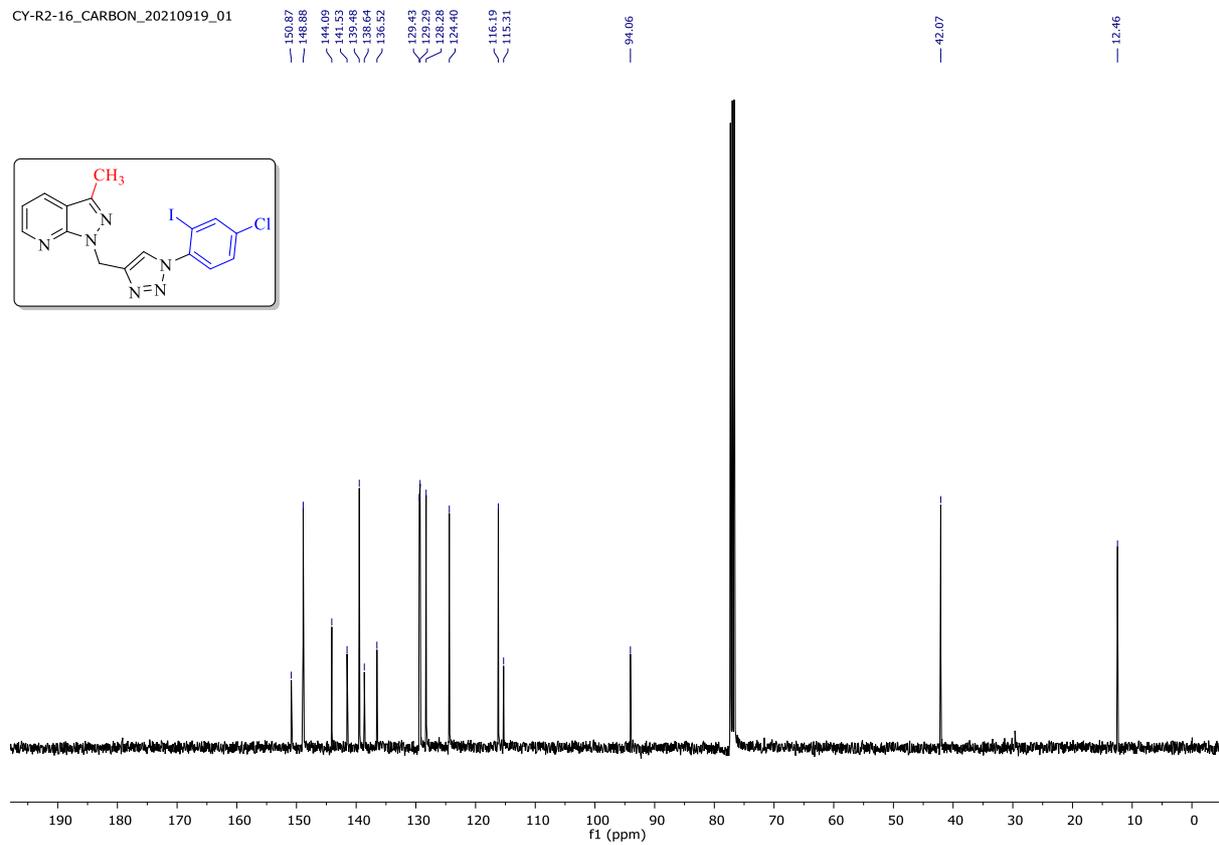
Mass of compound 15



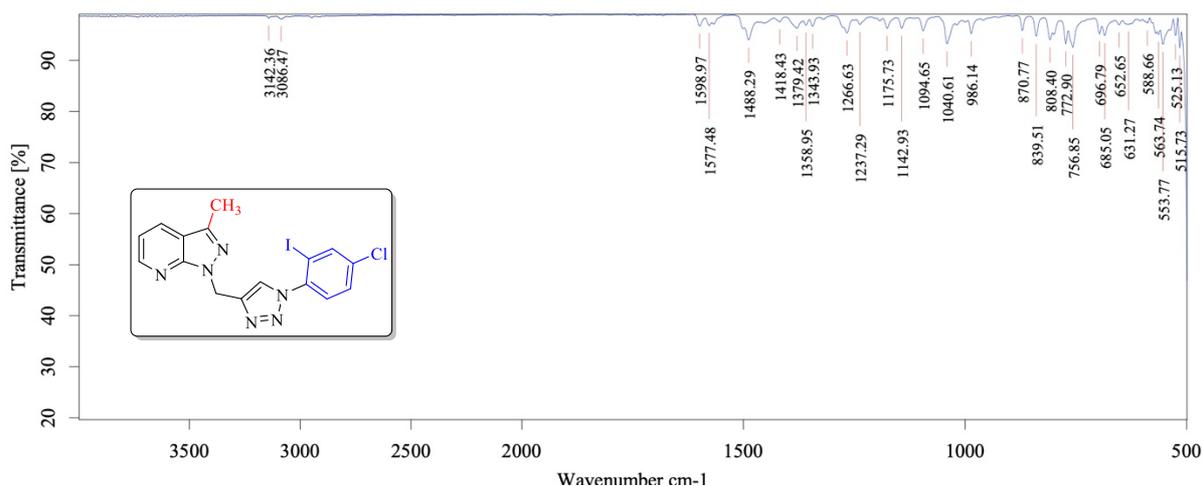
¹H NMR of compound 16



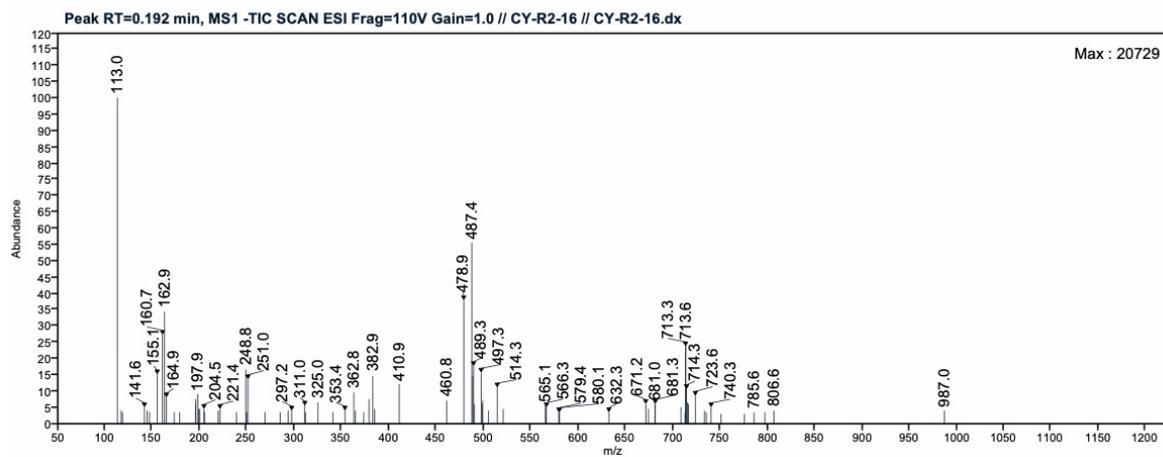
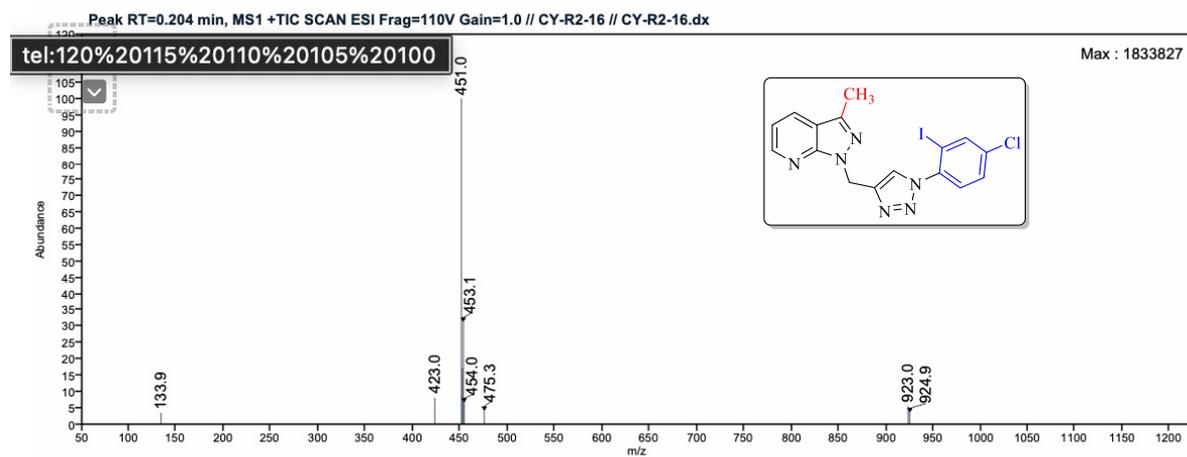
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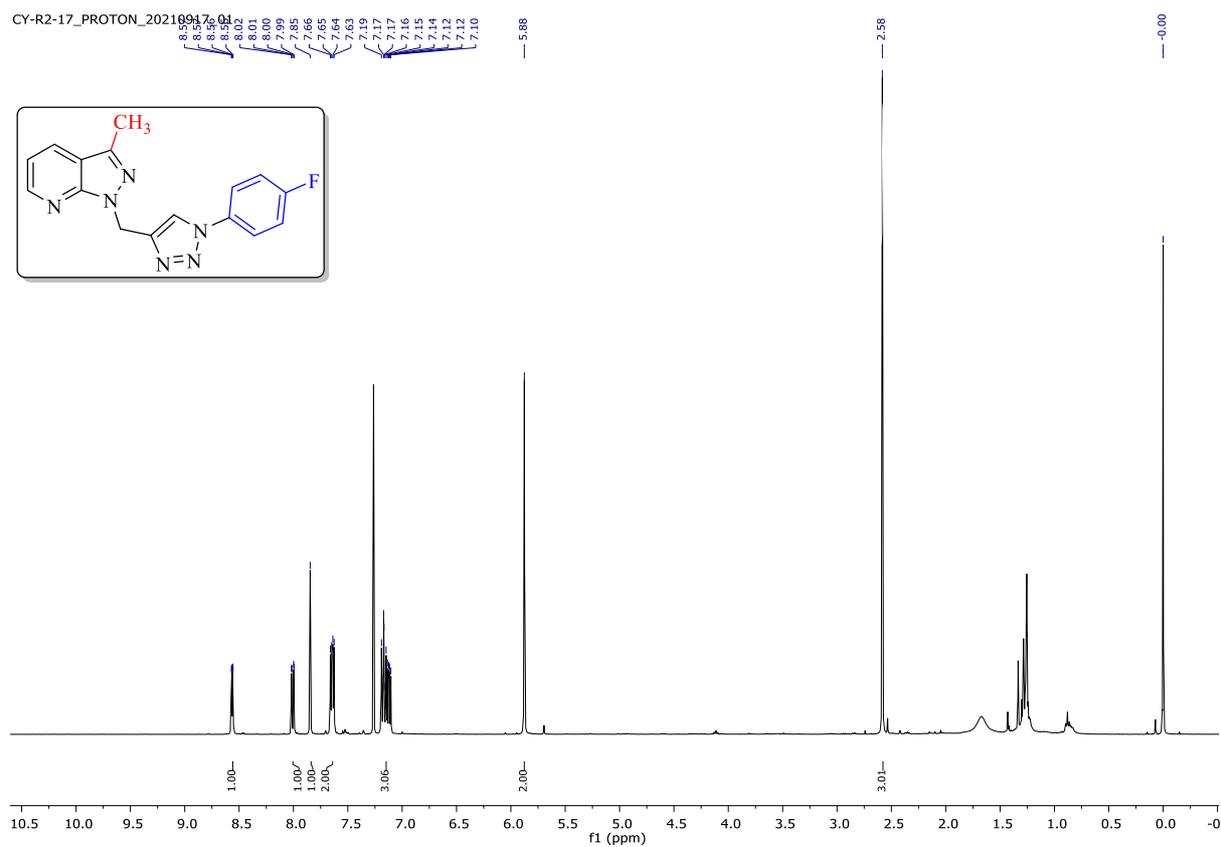
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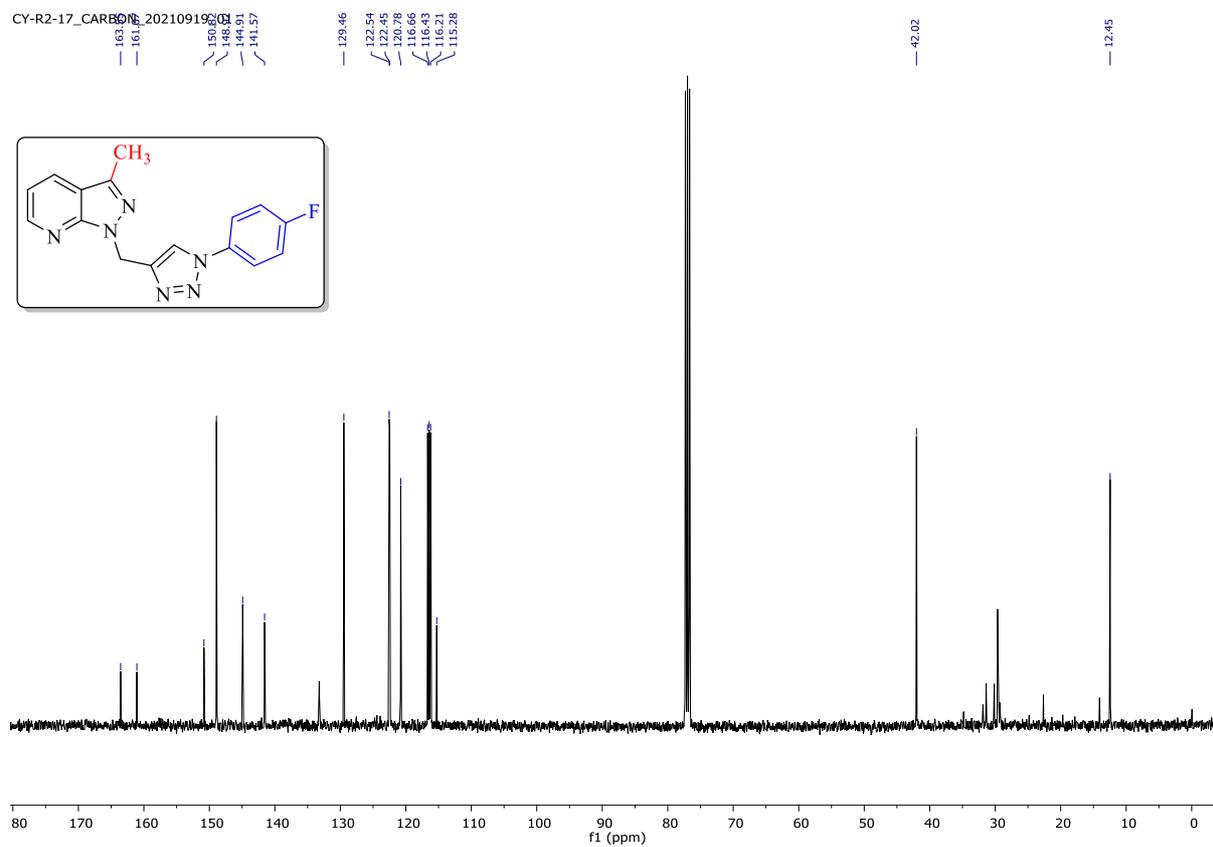
Mass of compound 16



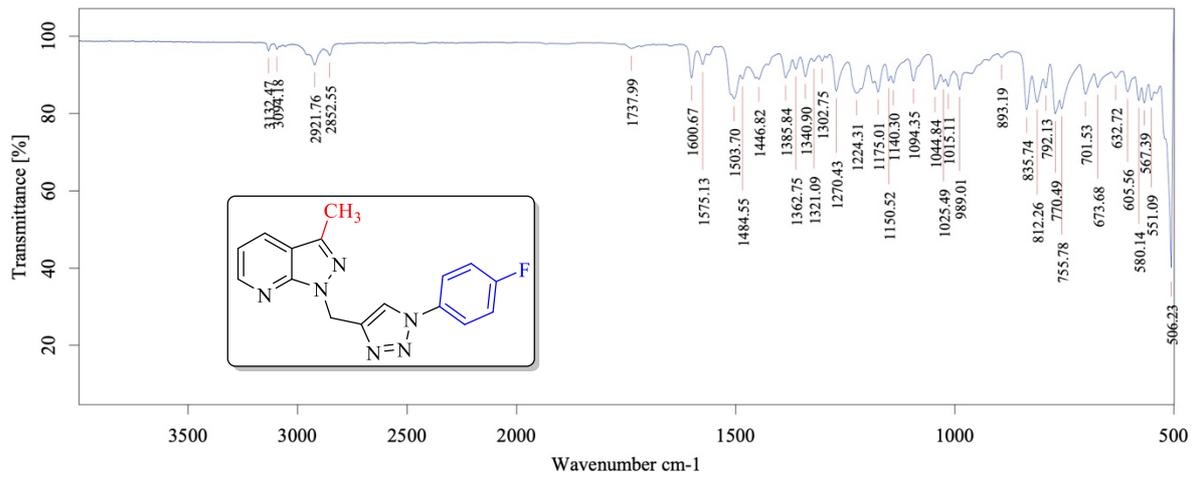
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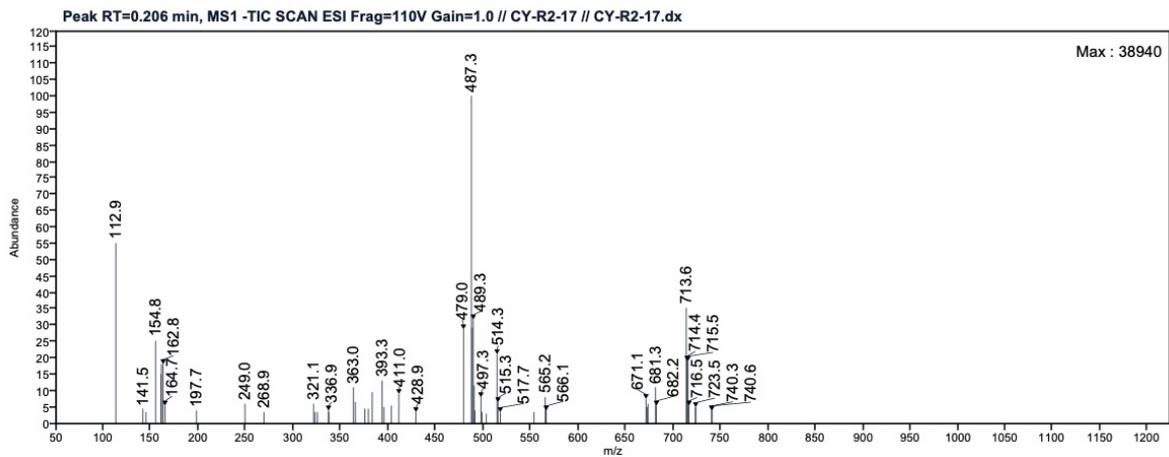
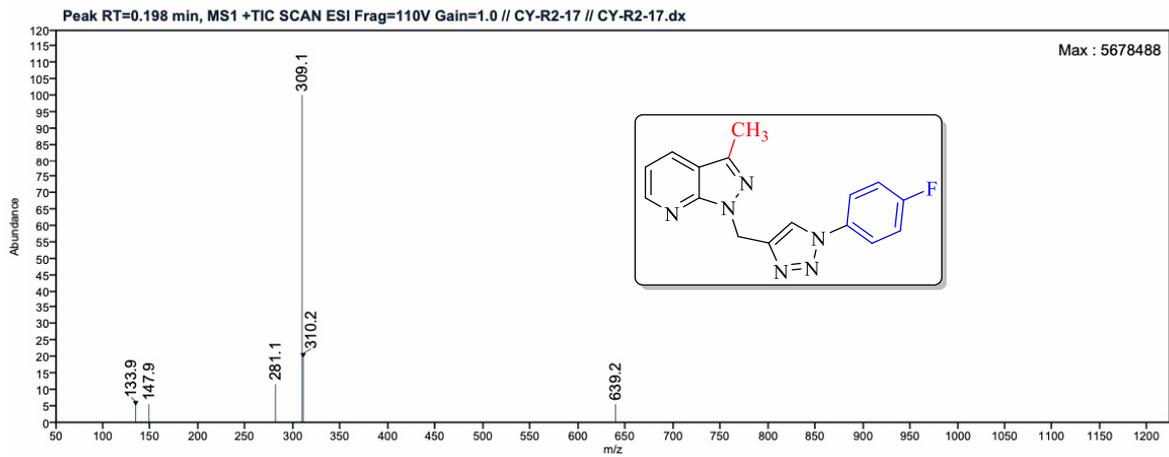
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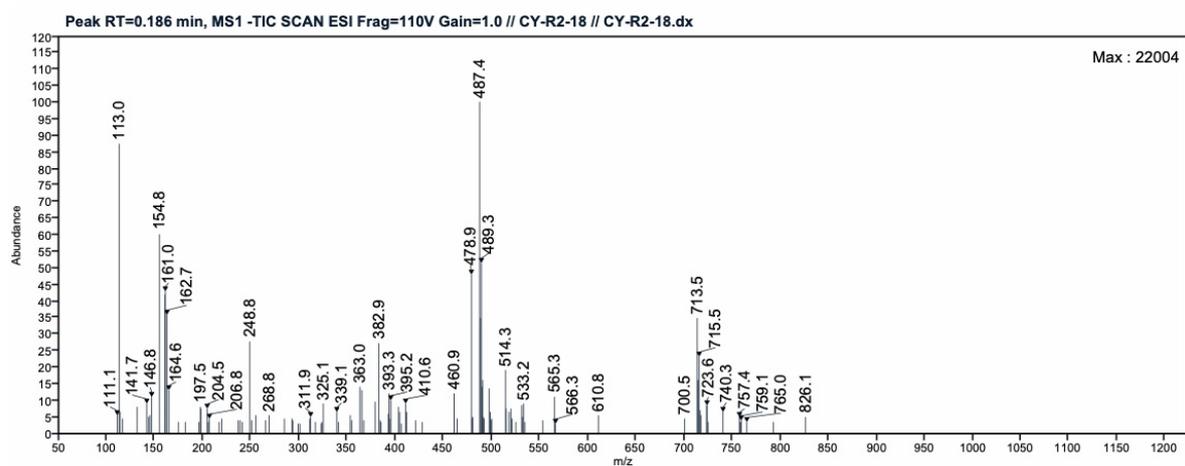
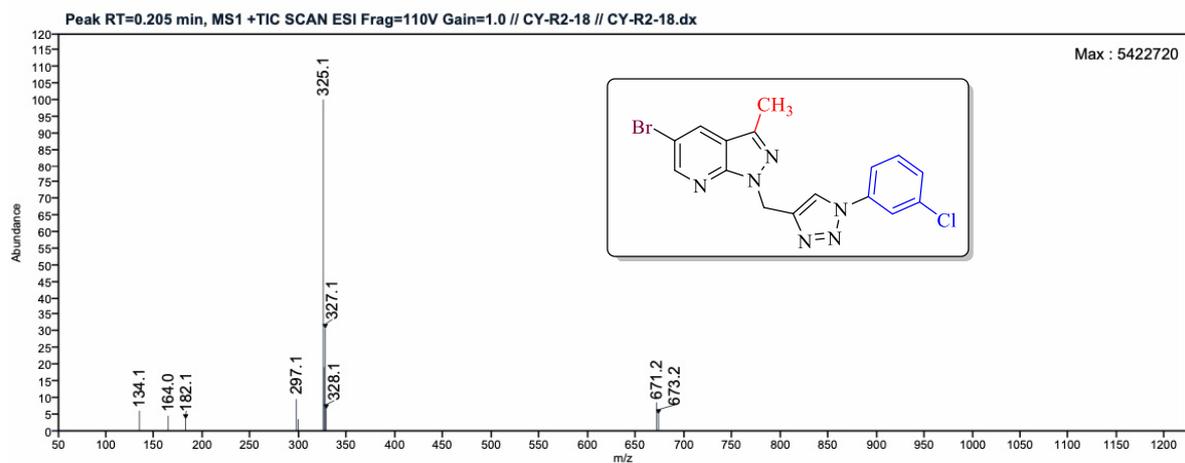
IR of compound 17



Mass of compound 17

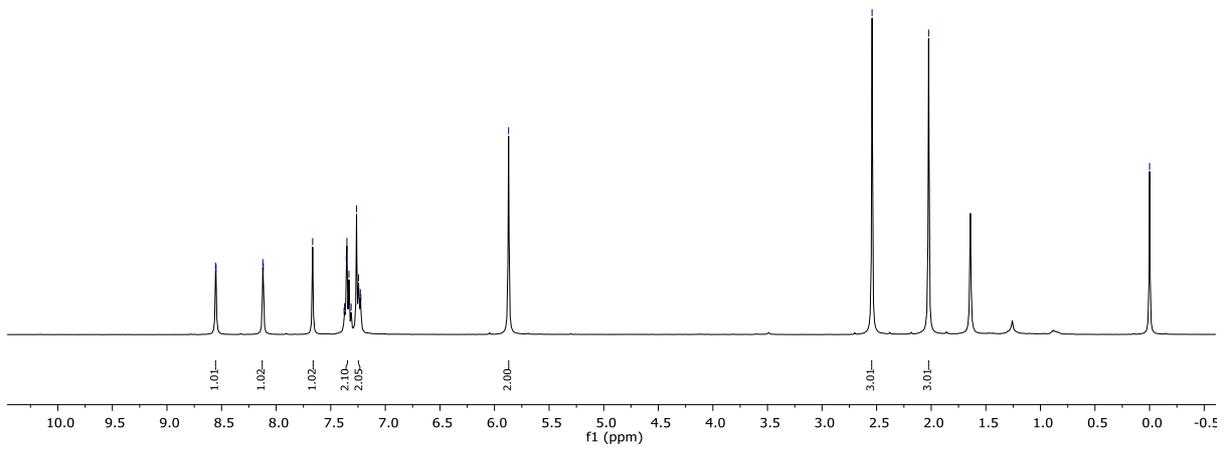
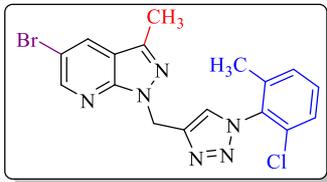


Mass of compound 18



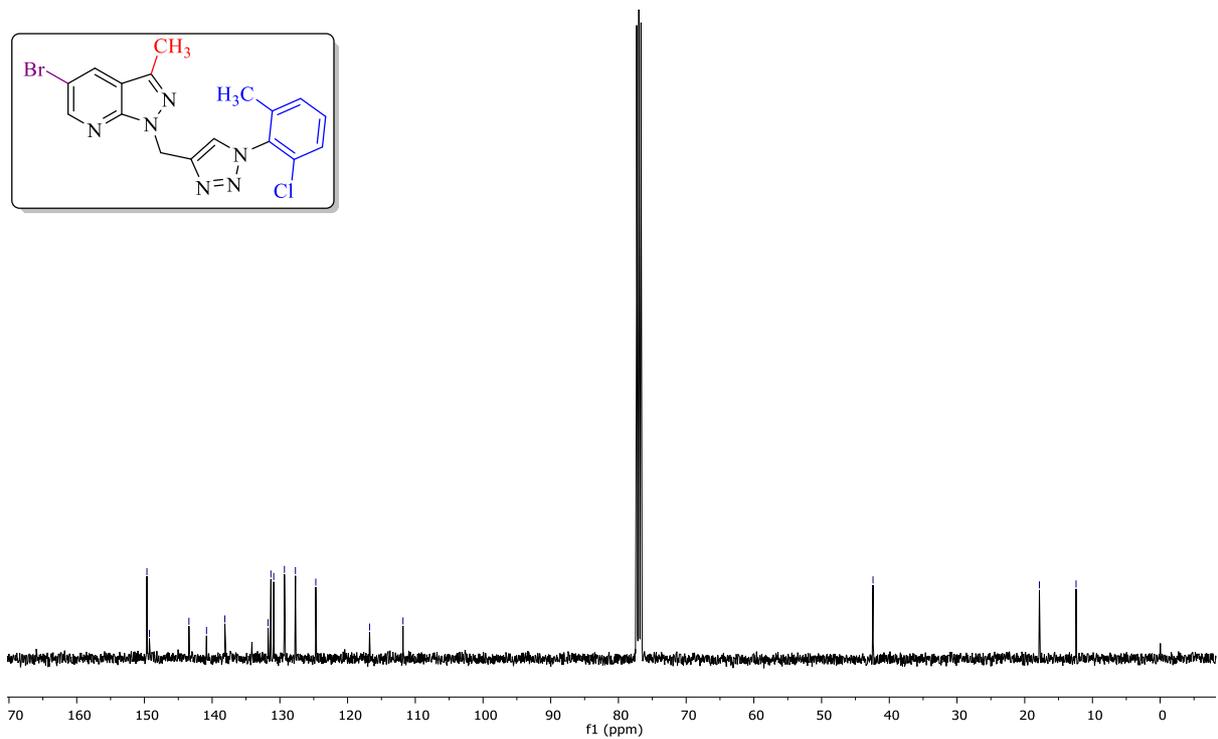
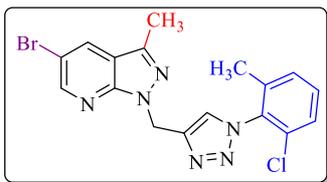
¹H NMR of compound 19

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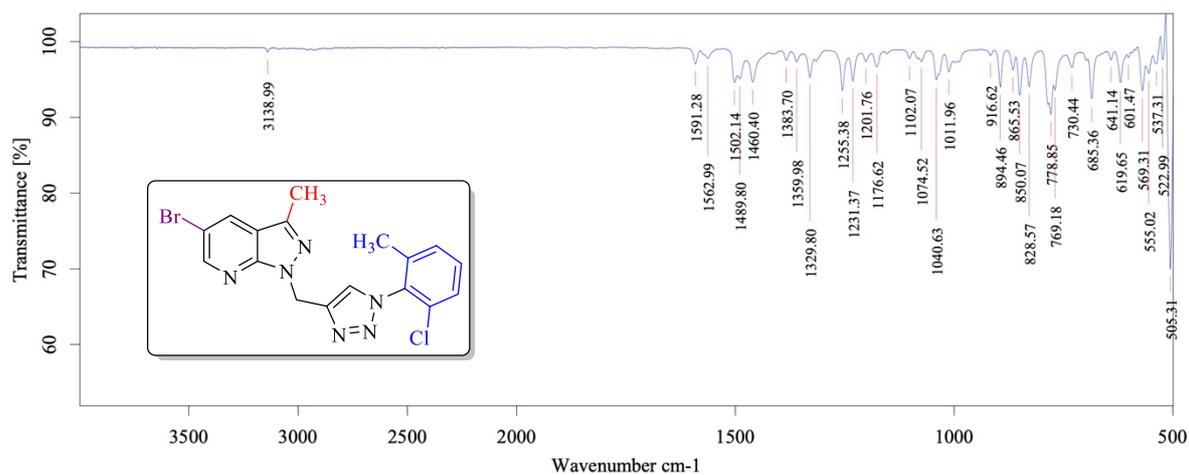


¹³C NMR of compound 19

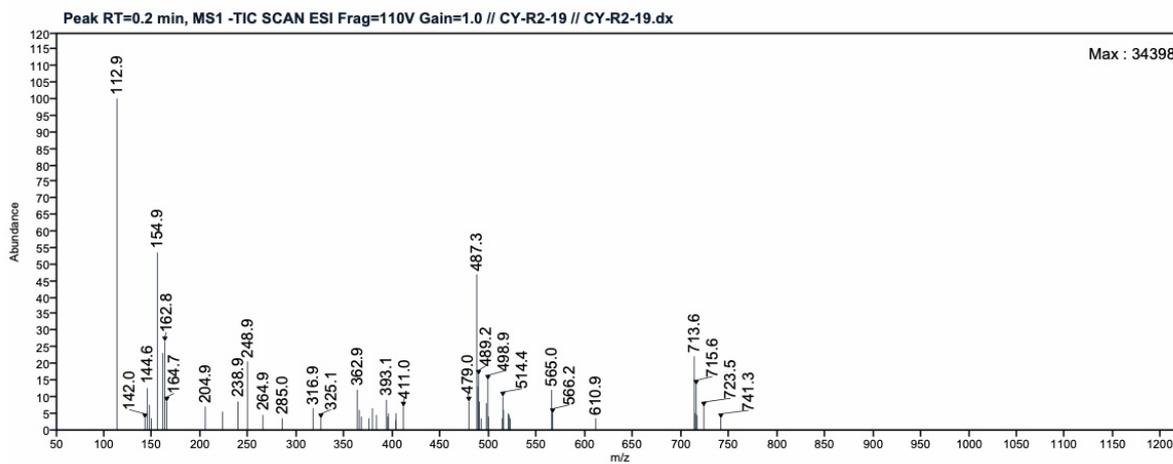
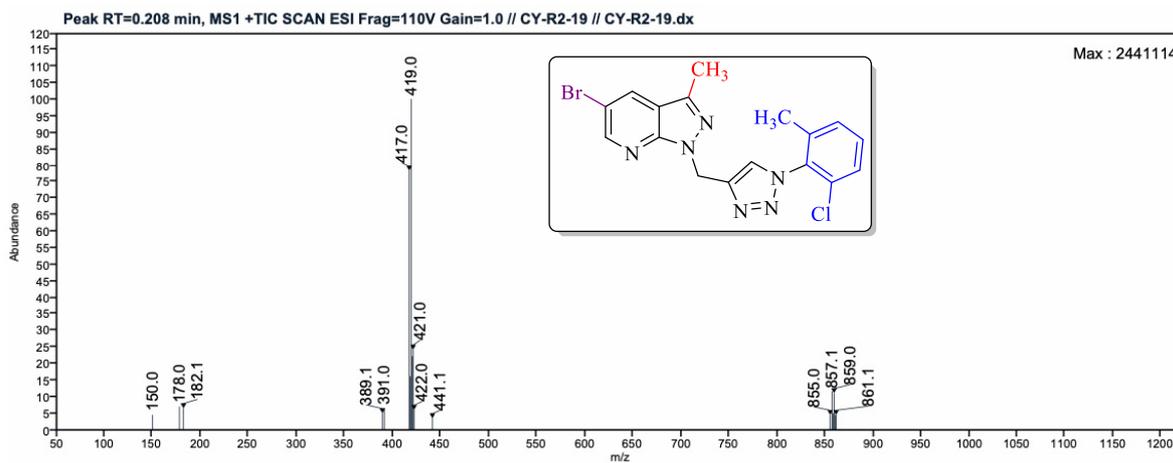
CY-R2-19_CARBON_20210917
149.82, 149.81, 143.89, 140.89, 138.81, 131.74, 131.32, 130.91, 129.32, 127.70, 124.70, 116.75, 111.81, 42.40, 17.83, 12.42



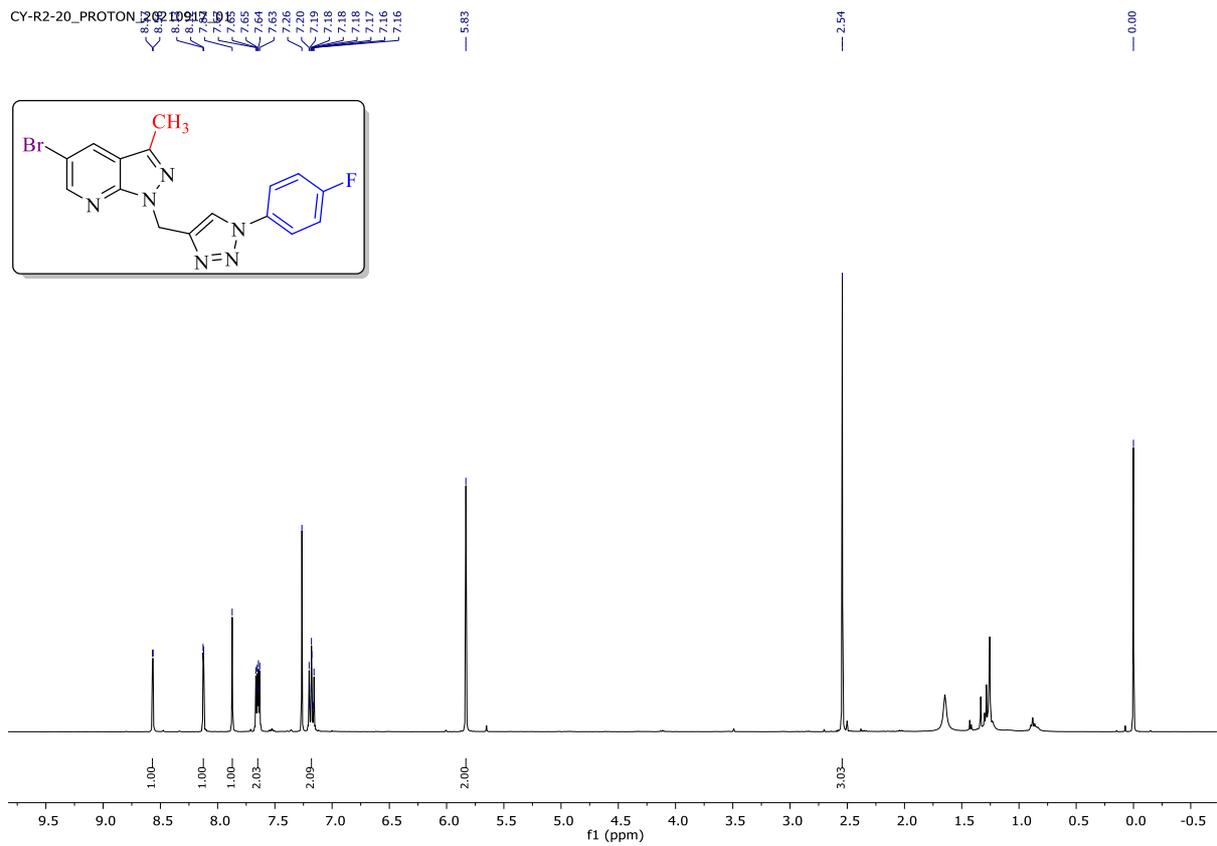
IR of compound 19



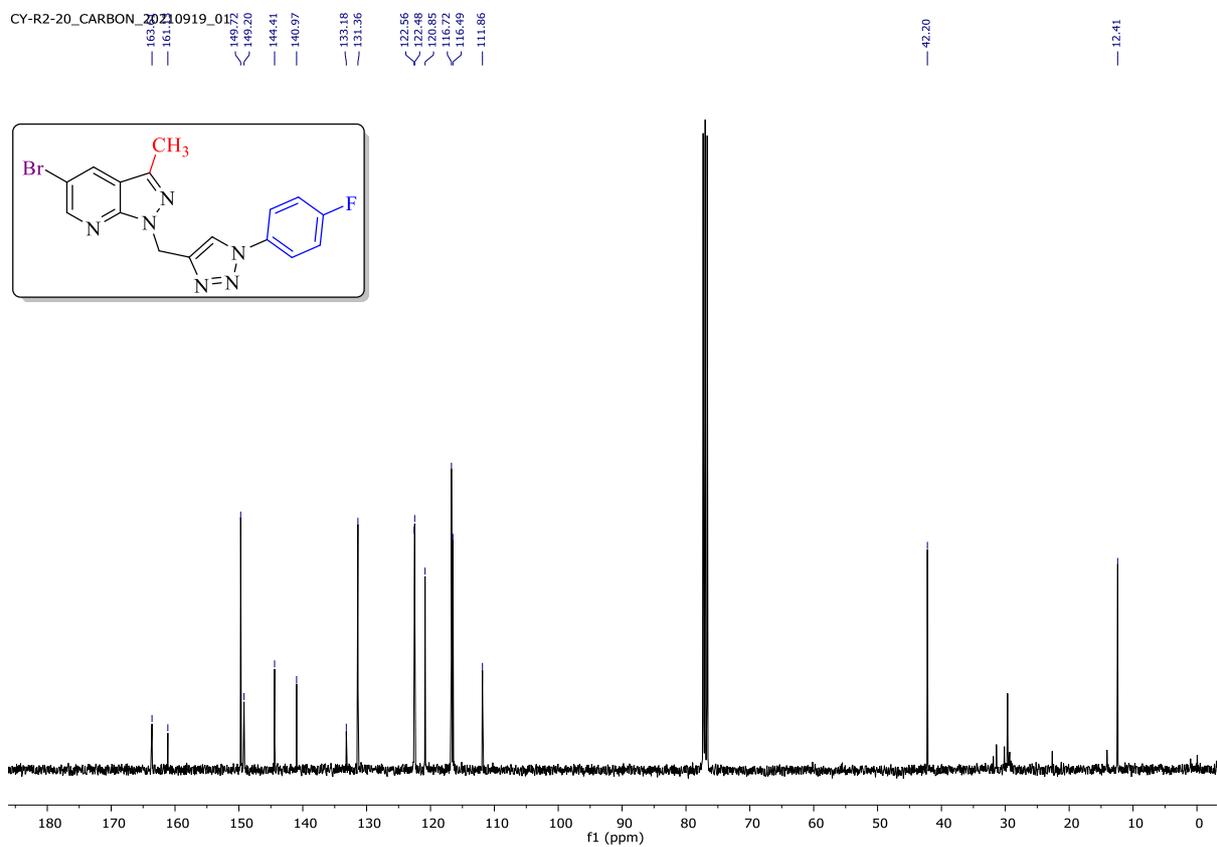
Mass of compound 19



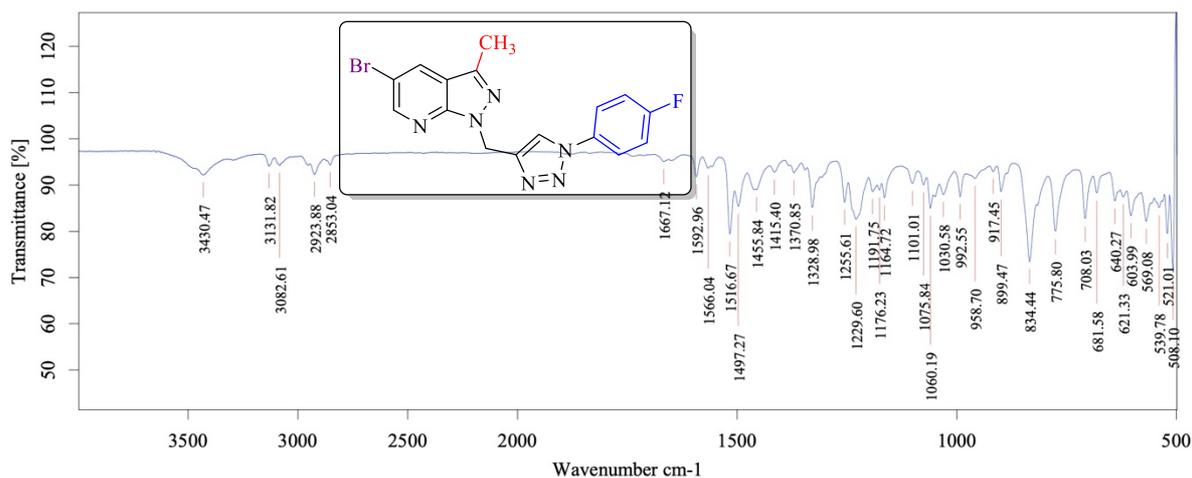
¹H NMR of compound 20



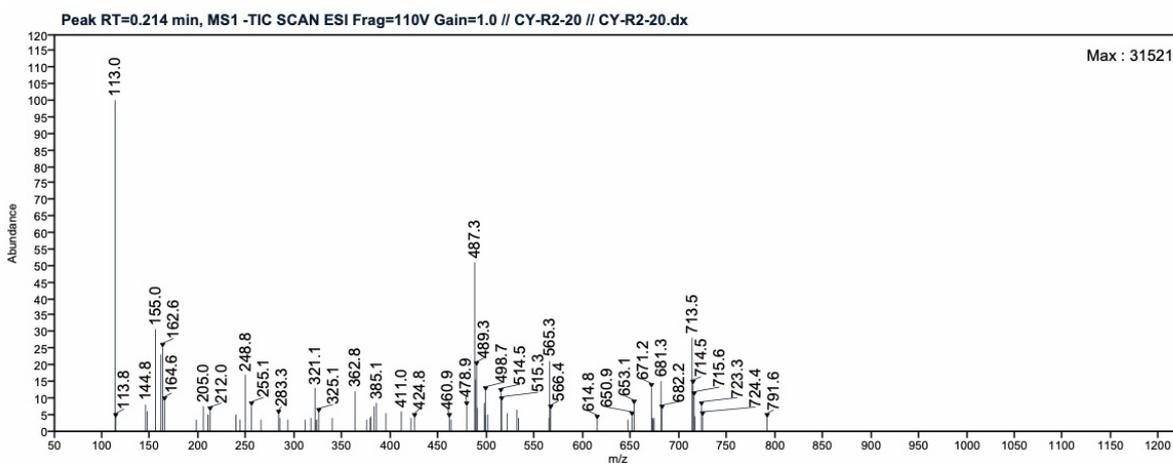
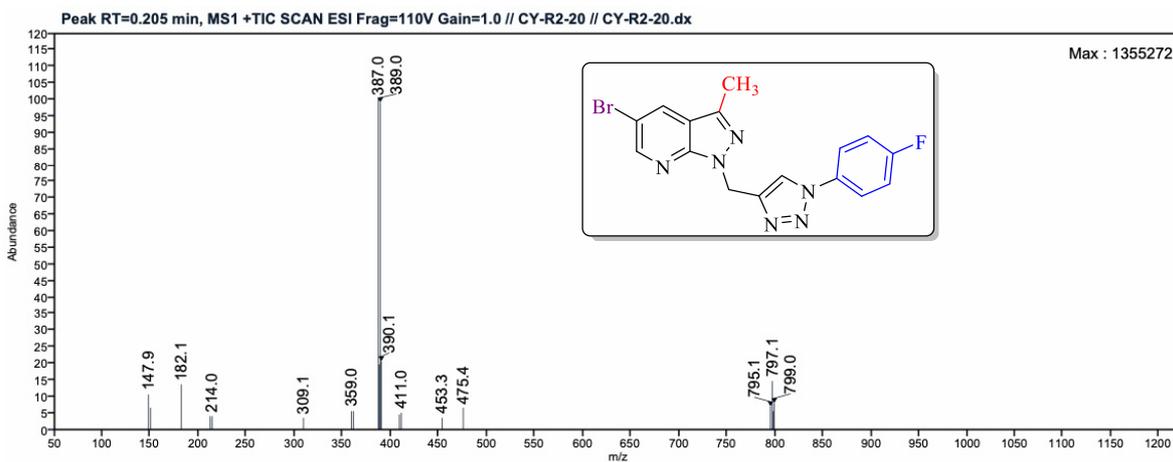
¹³C NMR of compound 20



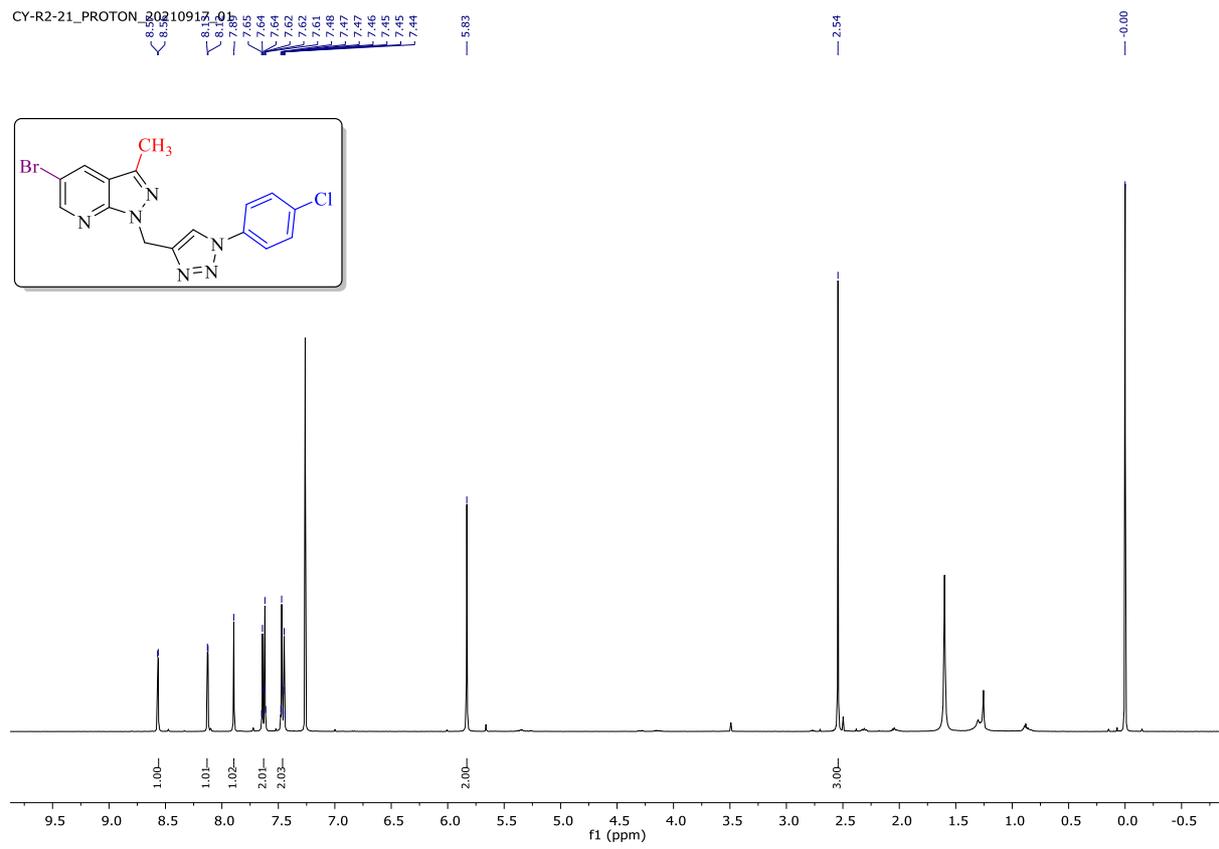
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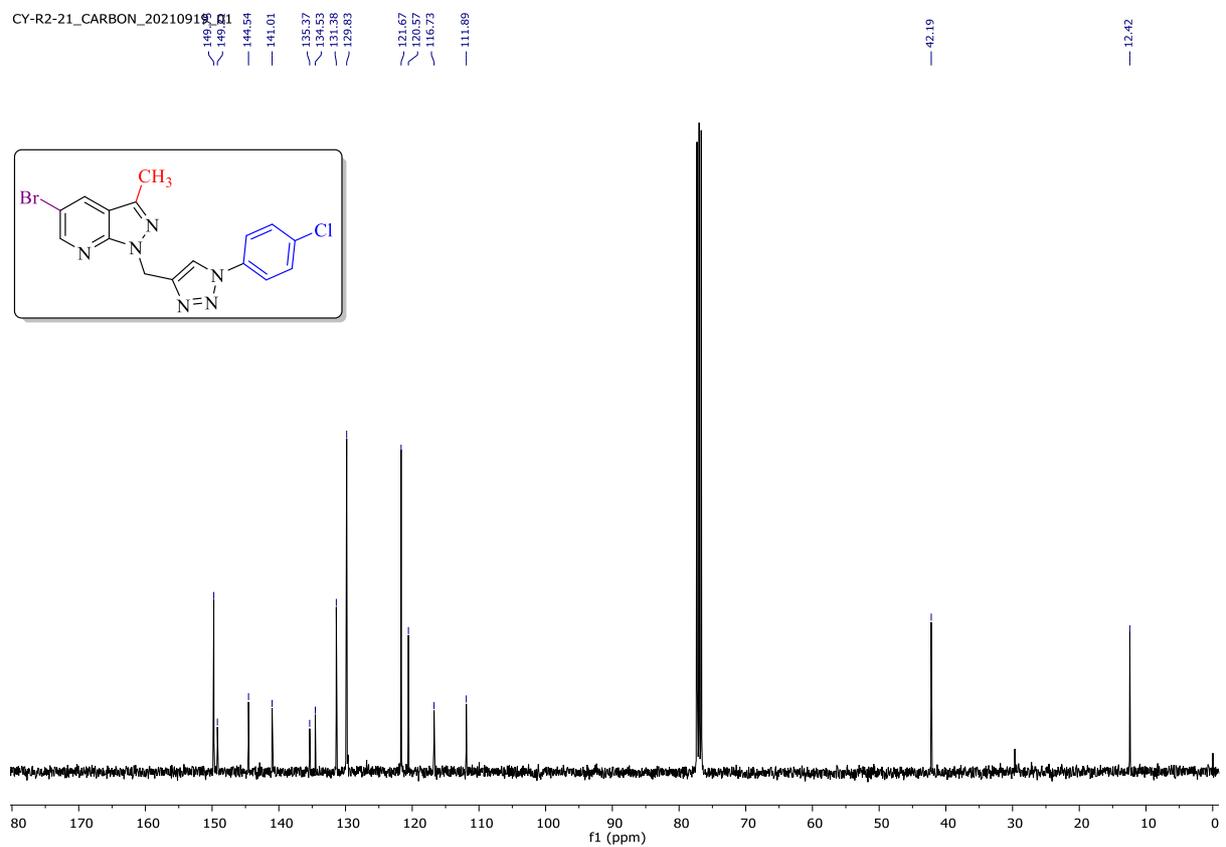
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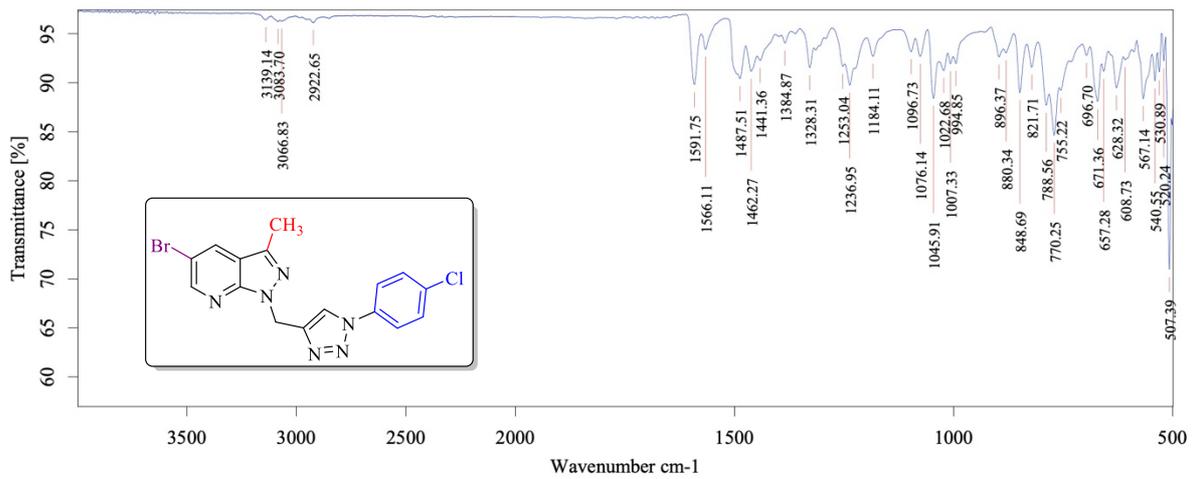
¹H NMR of compound 21



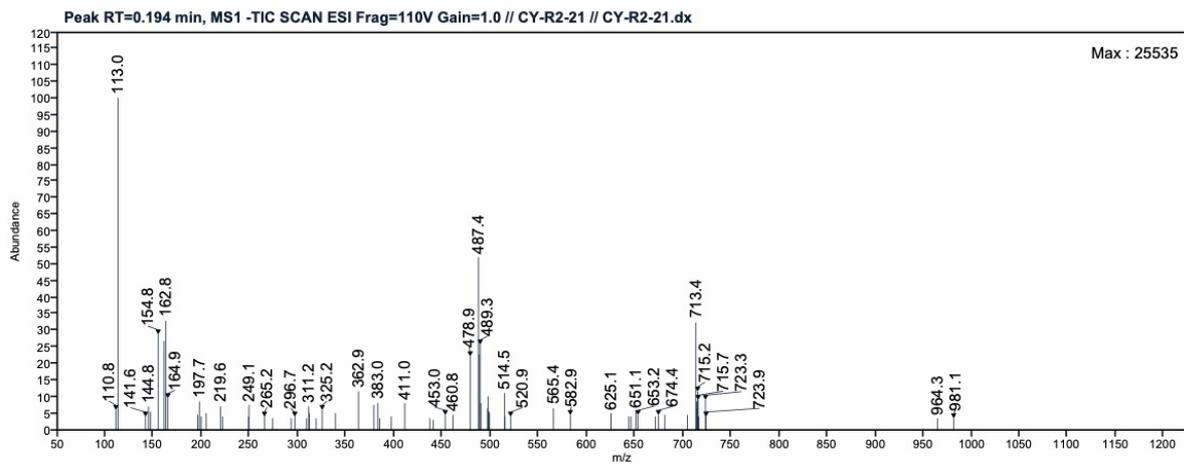
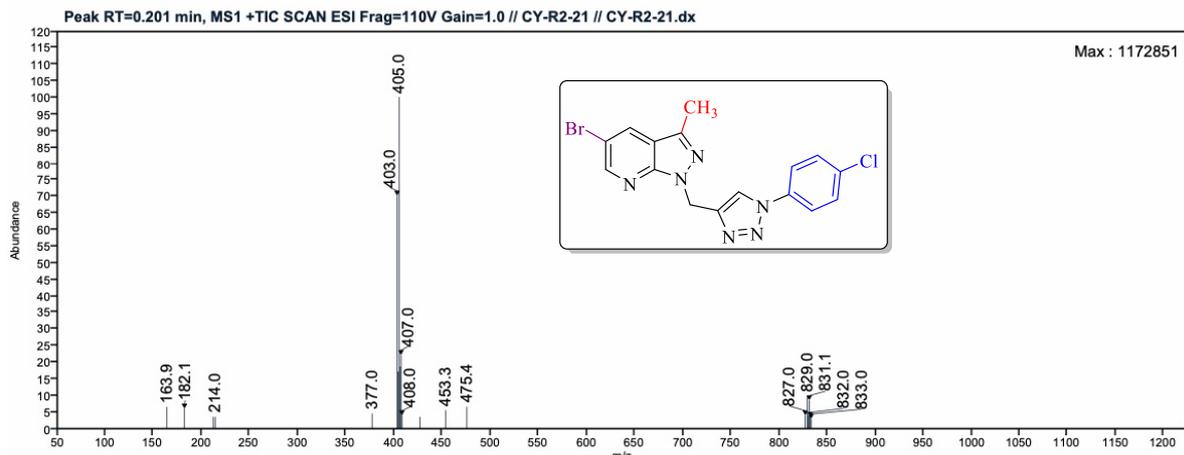
¹³C NMR of compound 21



NMR of compound 21



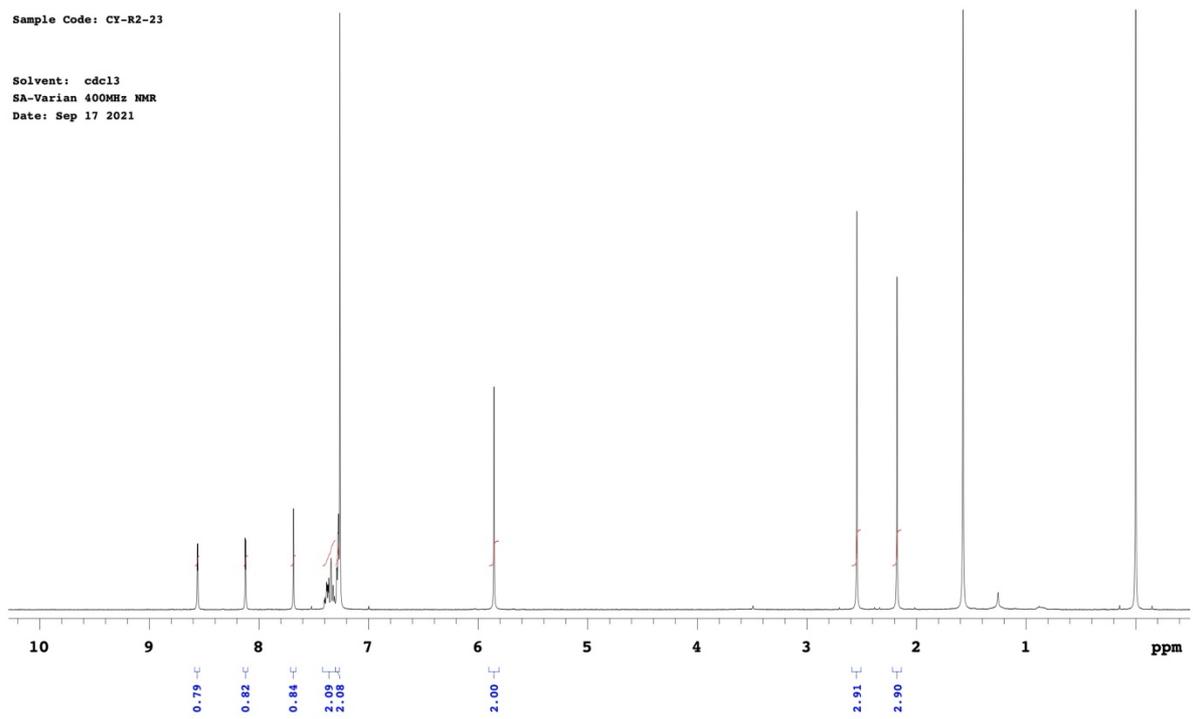
NMR of compound 21



¹H NMR of compound 23

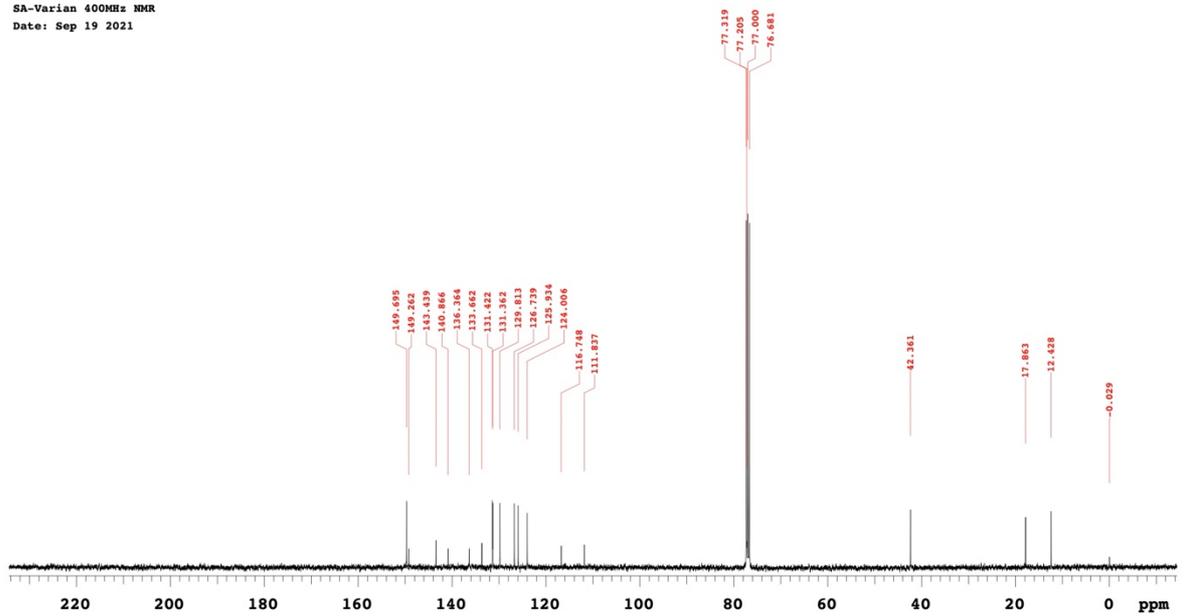
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SA-Varian 400MHz NMR
Date: Sep 17 2021

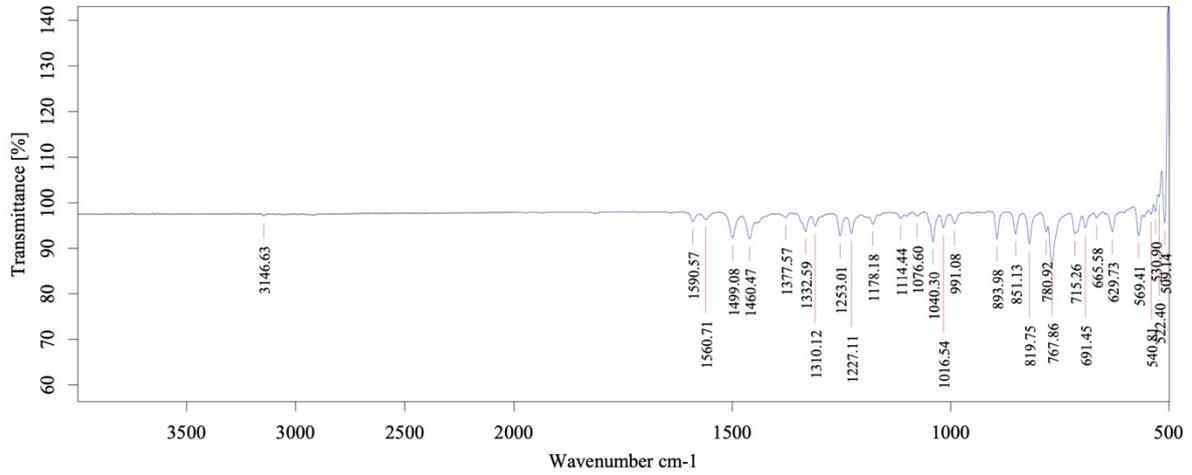


¹³C NMR of compound 23

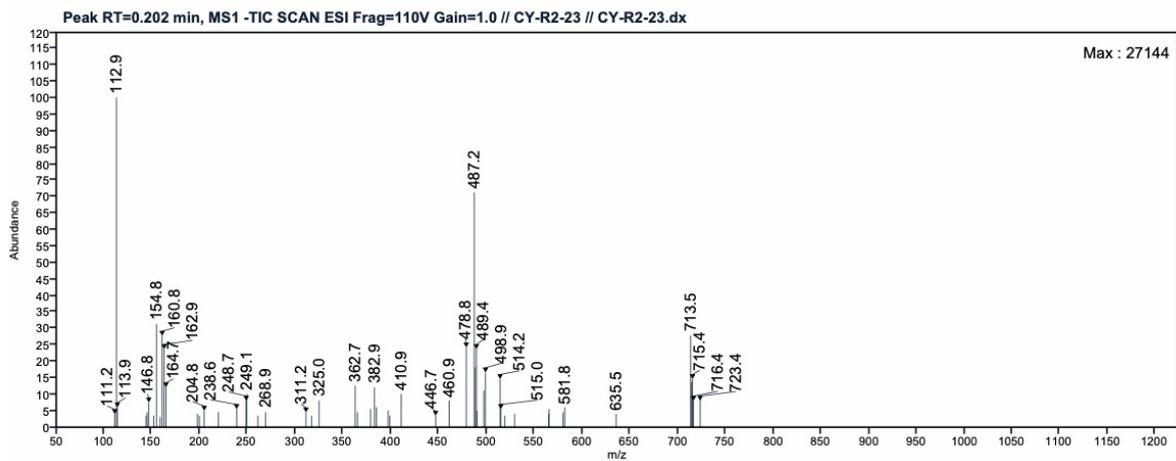
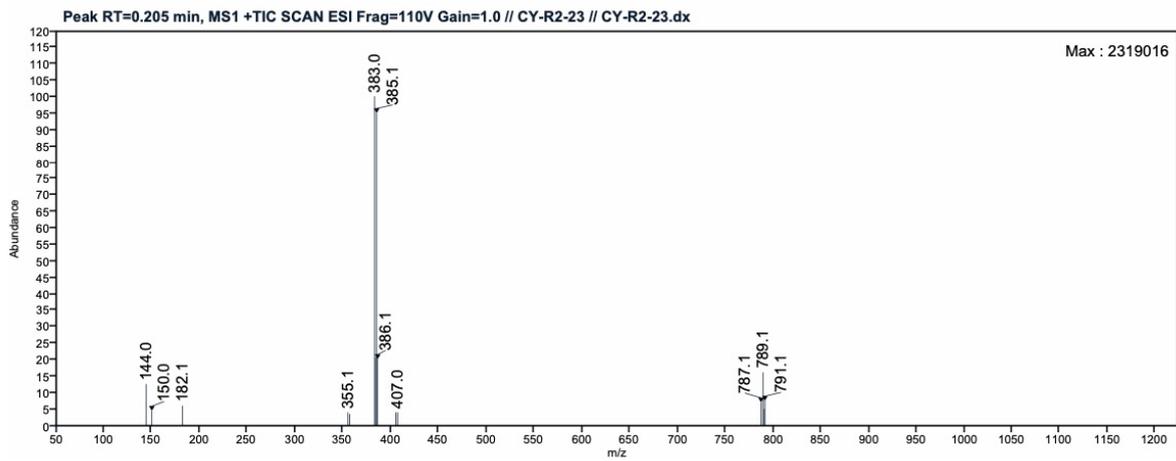
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SA-Varian 400MHz NMR
Date: Sep 19 2021



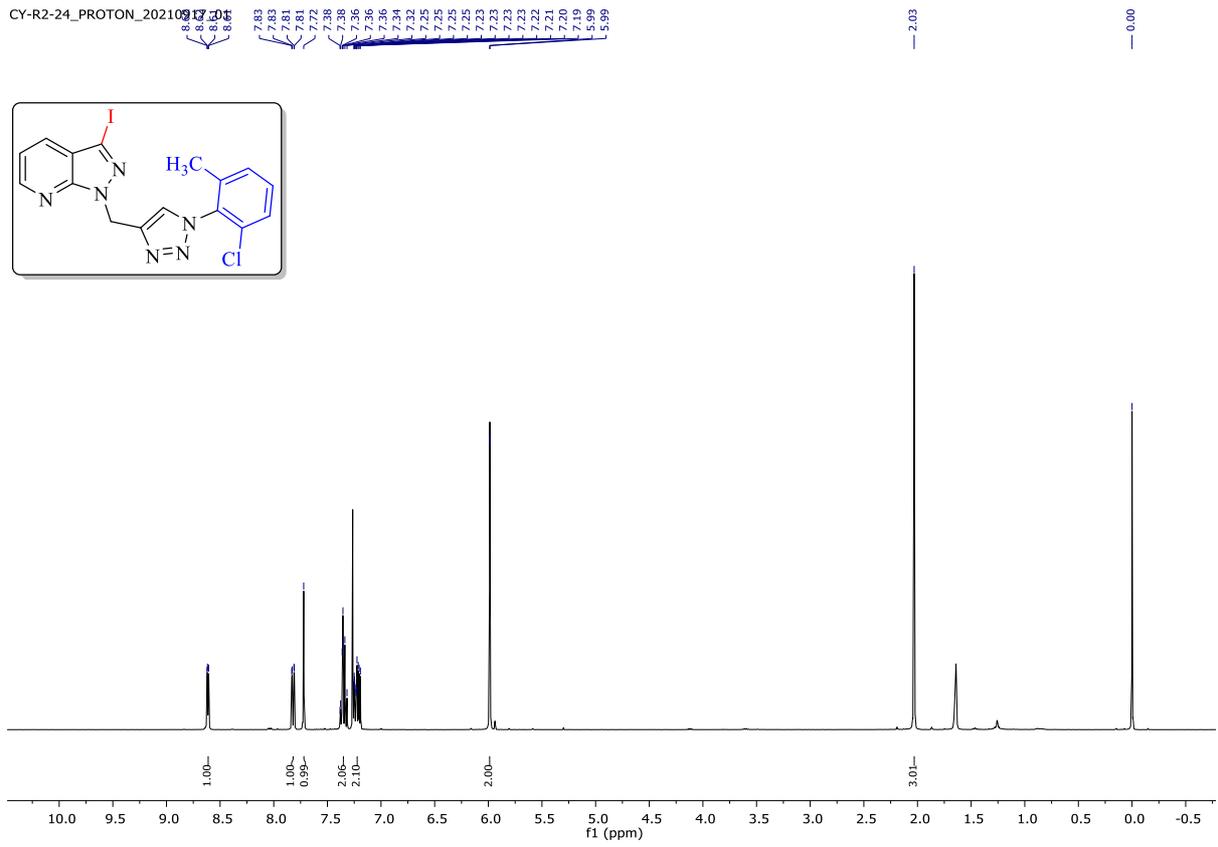
IR of compound 23



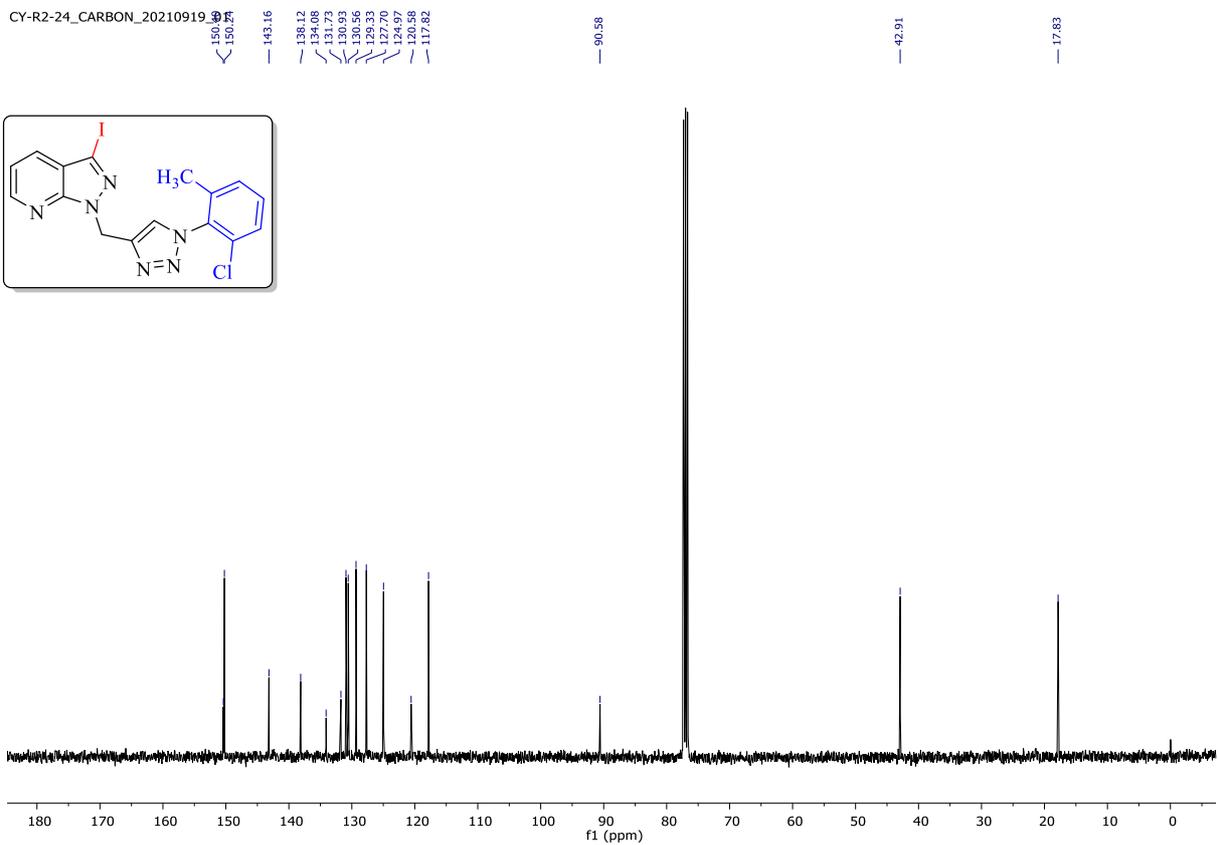
Mass of compound 23



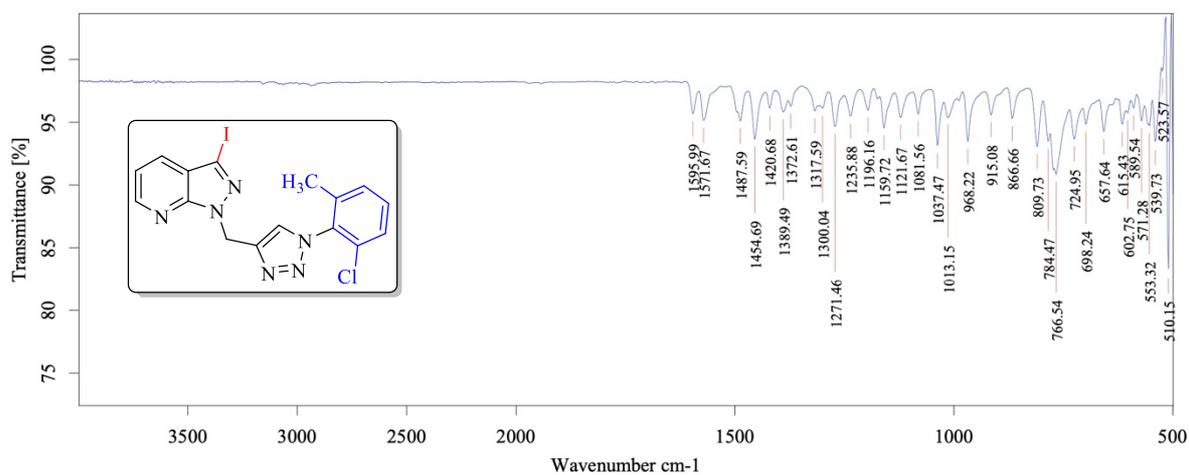
¹H NMR of compound 24



¹³C NMR of compound 24

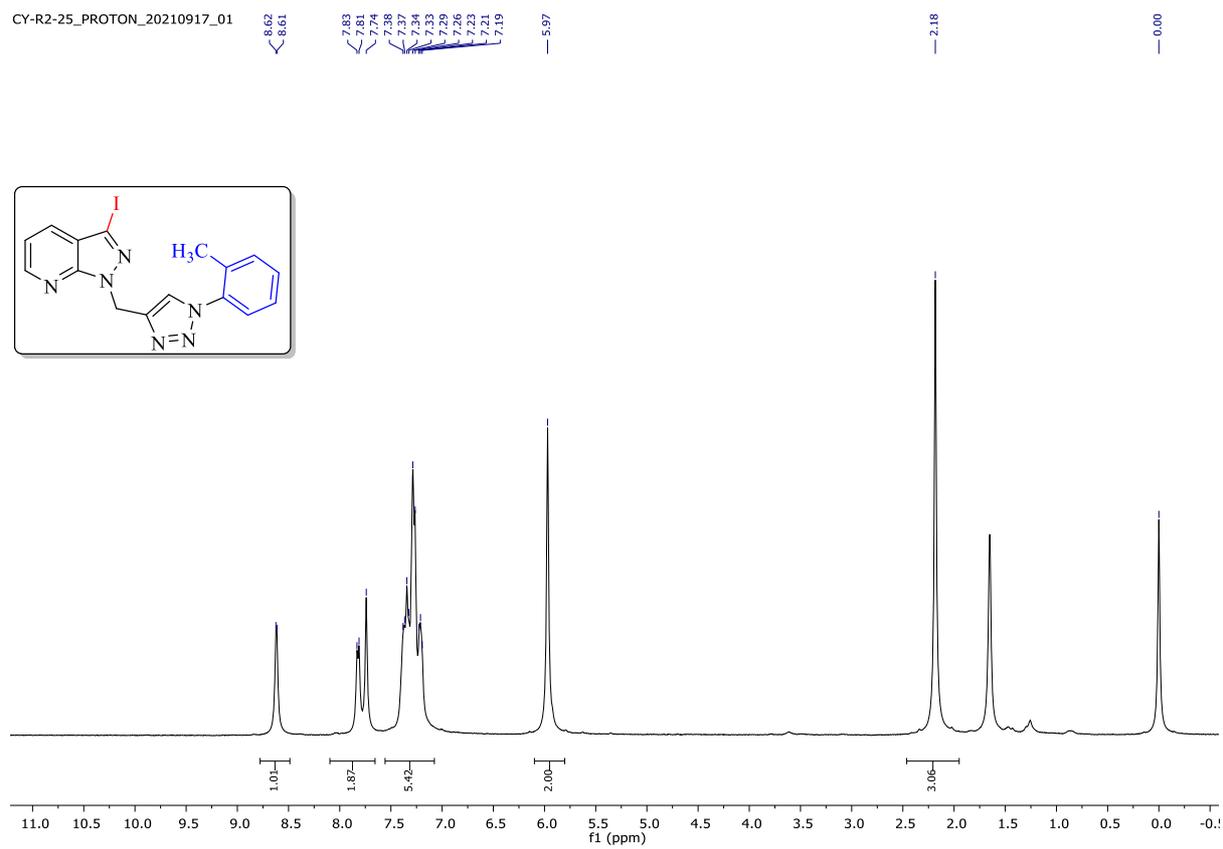


IR of compound 24

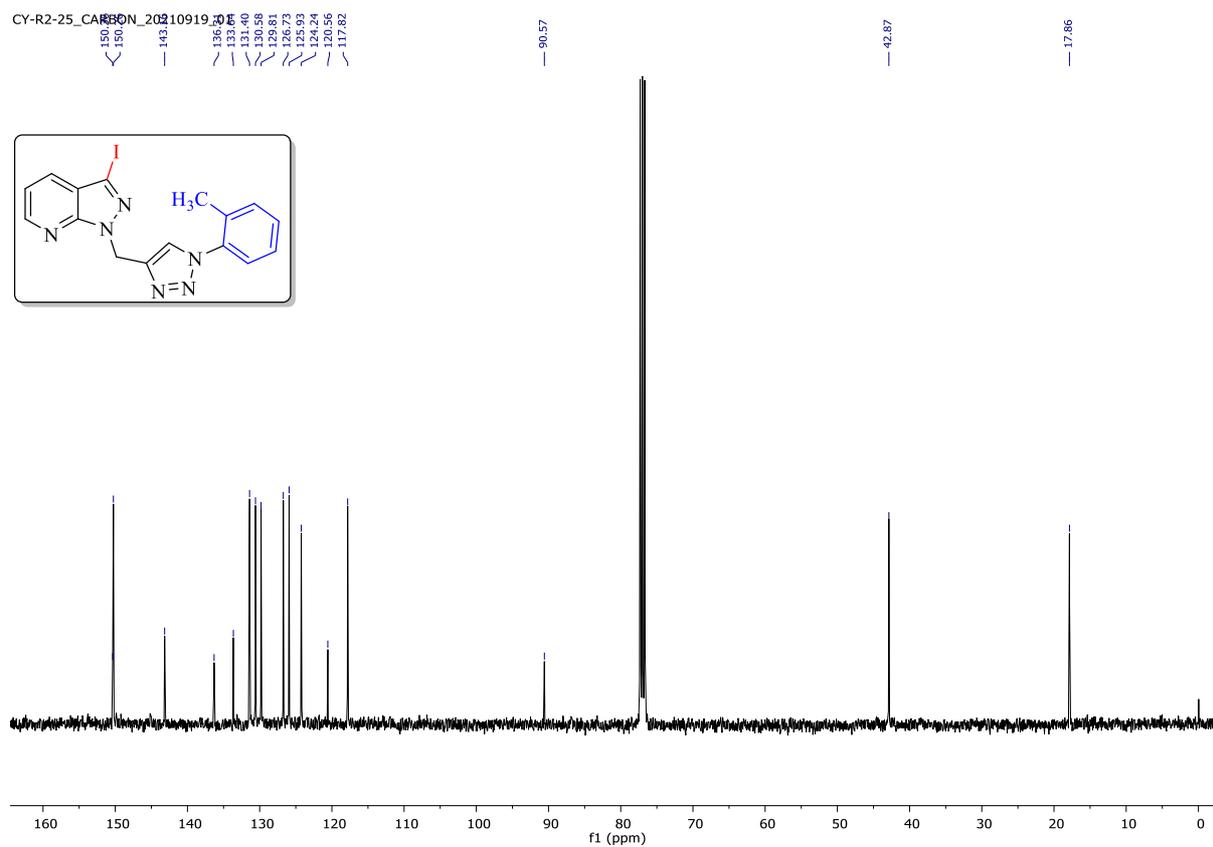


¹H NMR of compound 25

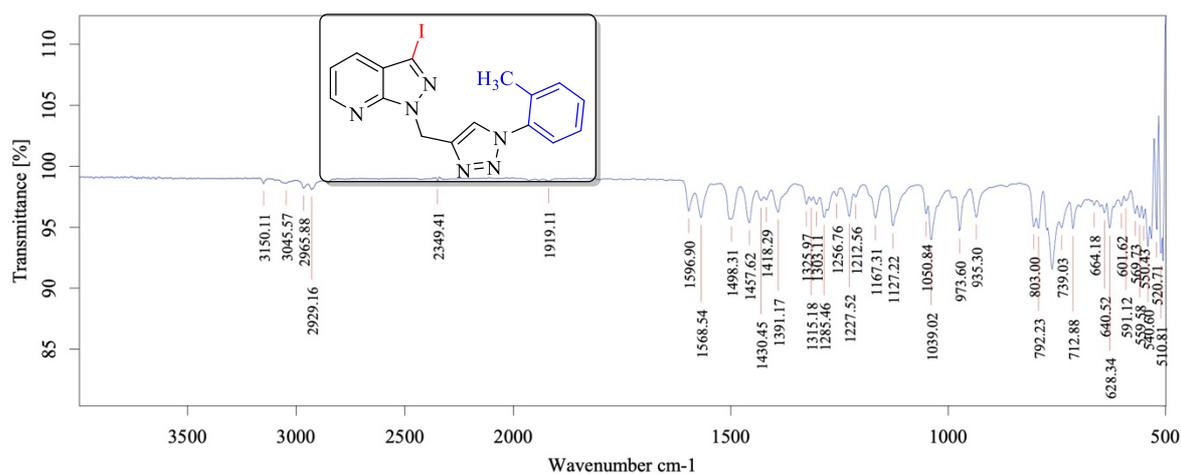
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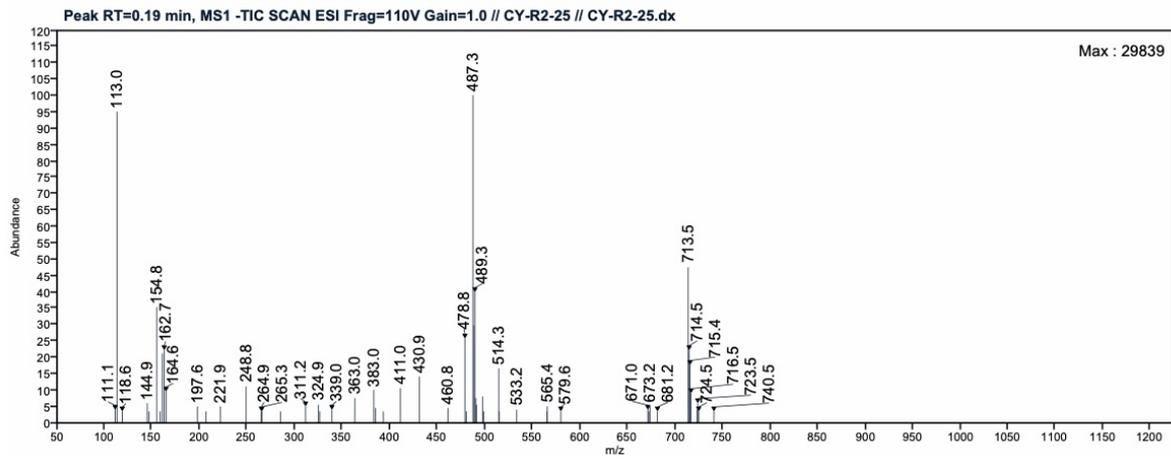
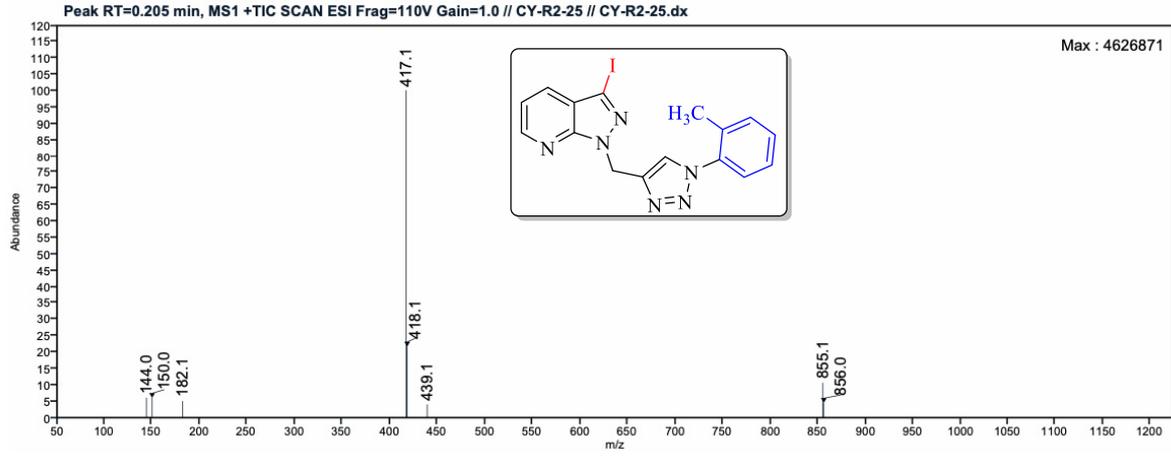
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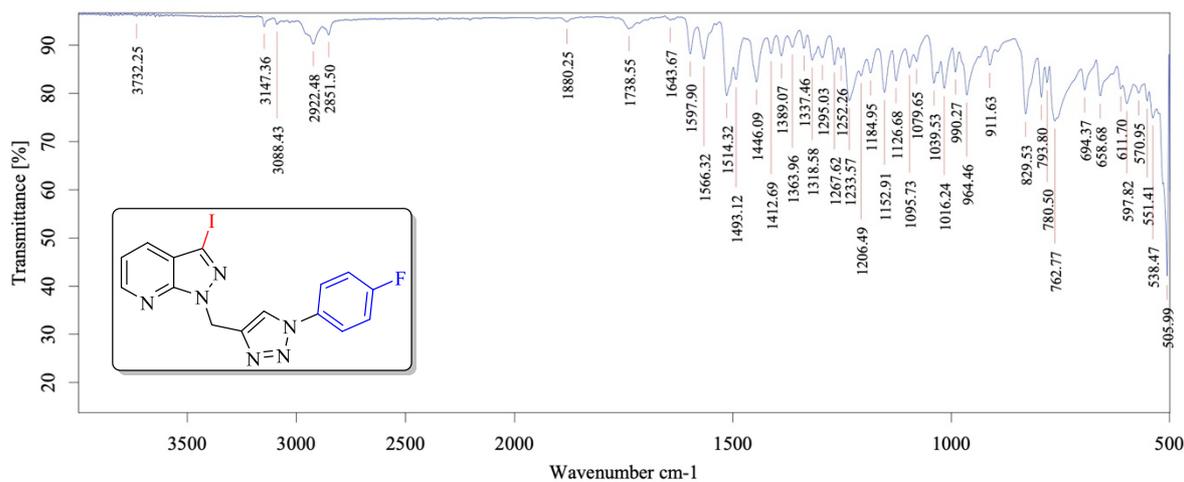
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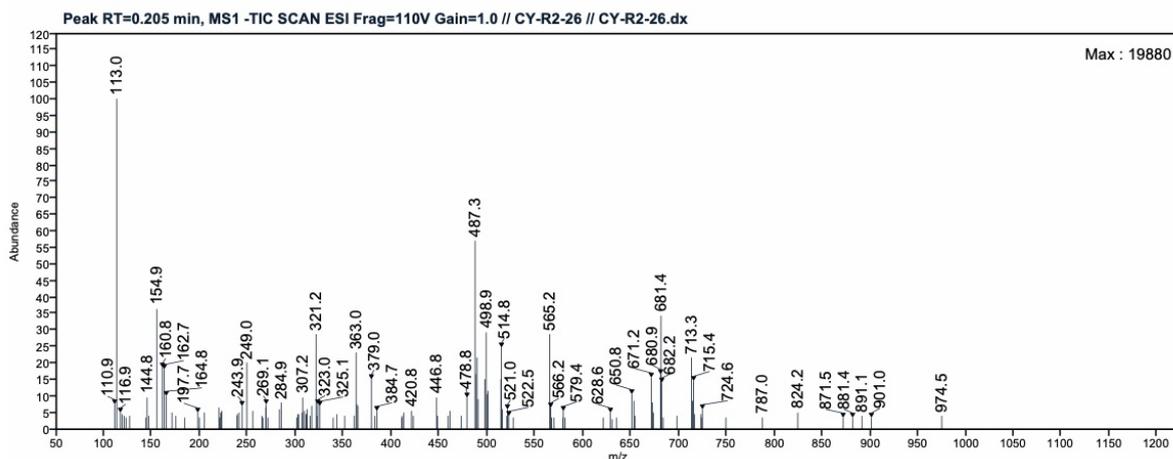
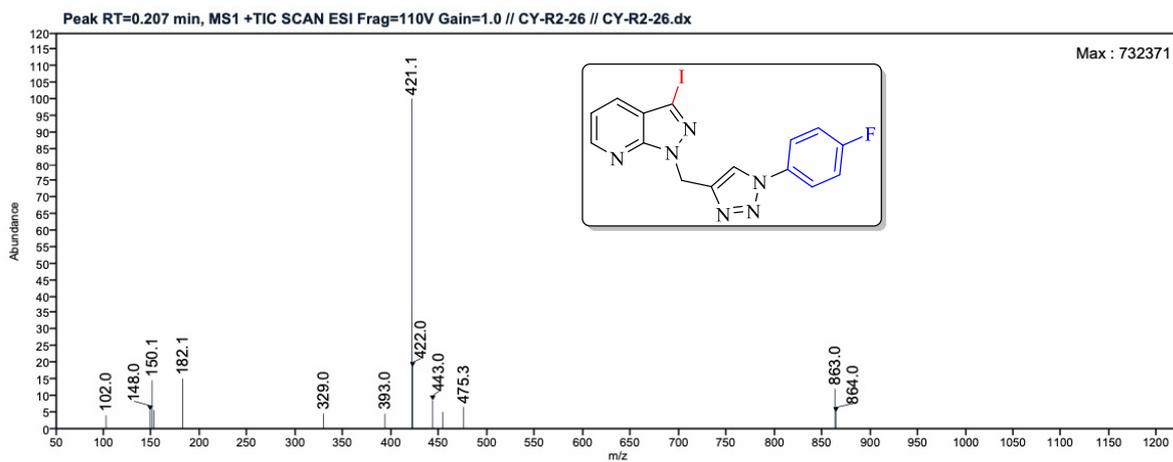
Mass of compound 25



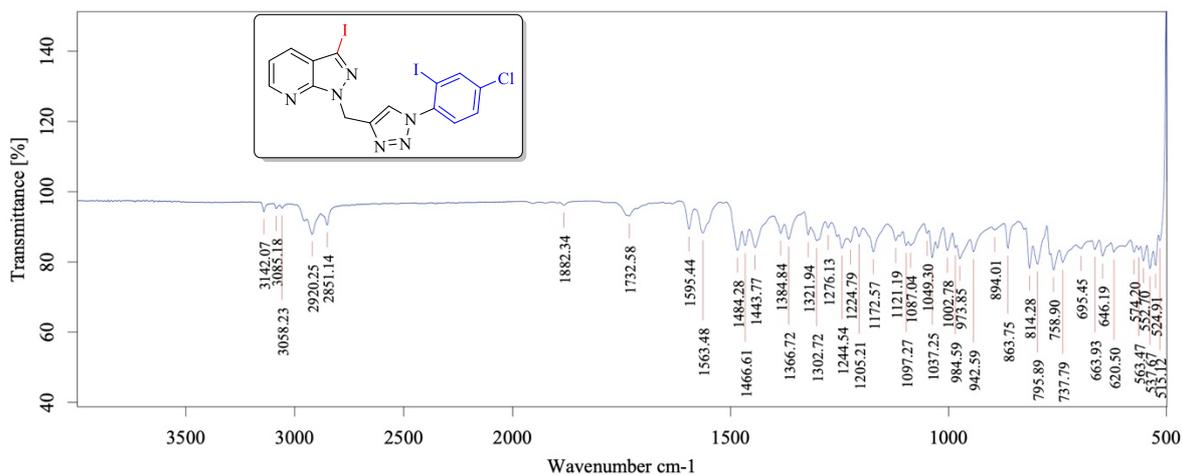
IR of compound 26



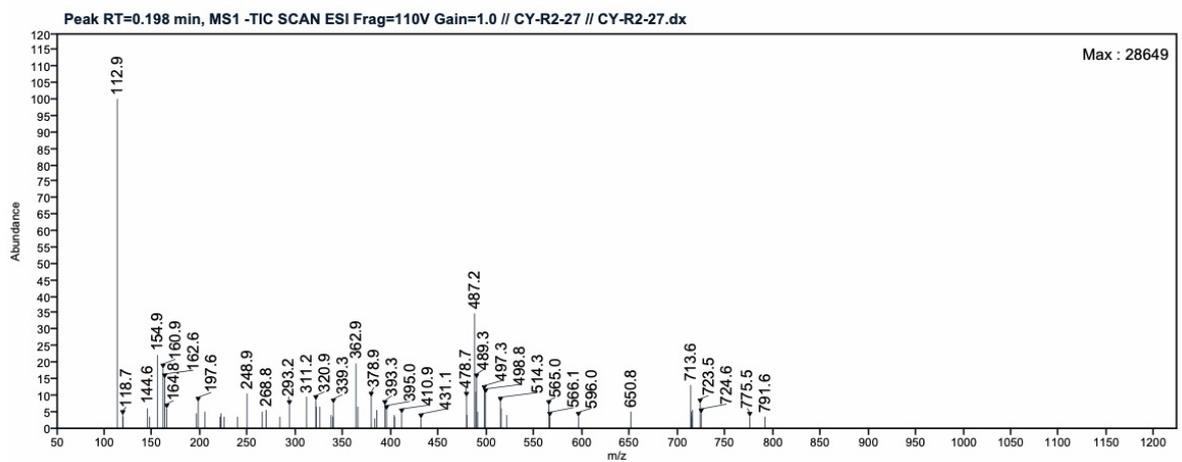
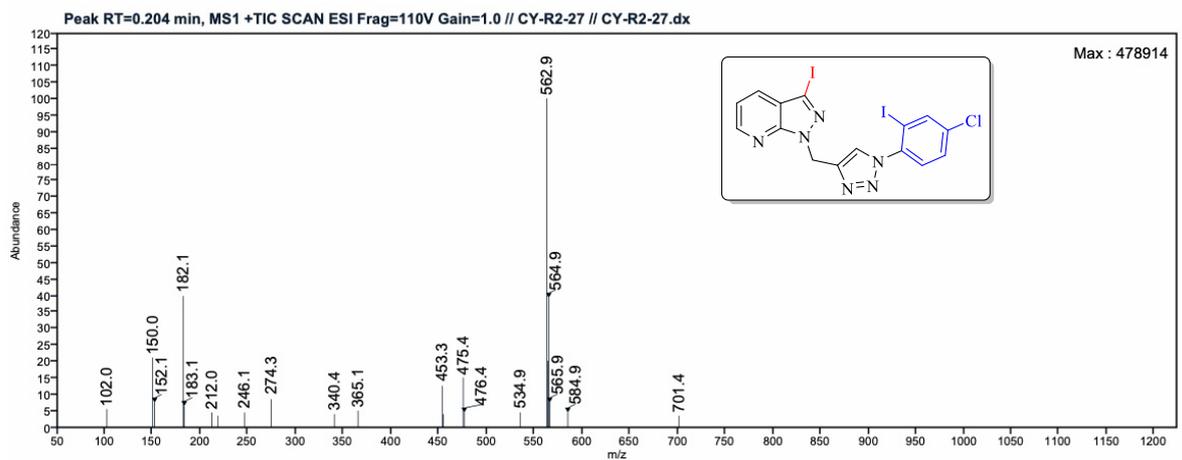
Mass of compound 26



IR of compound 27

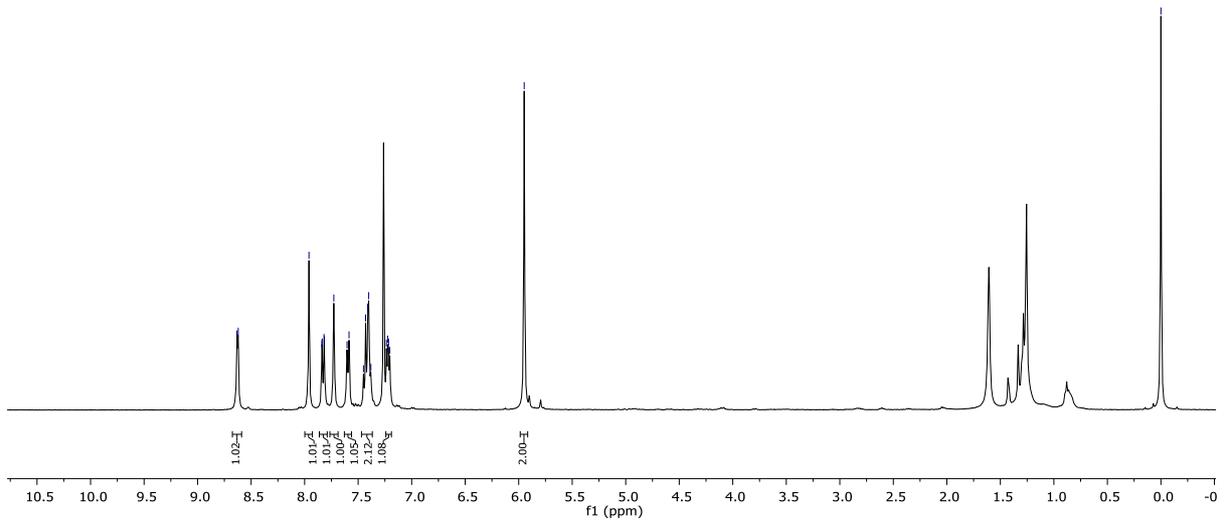
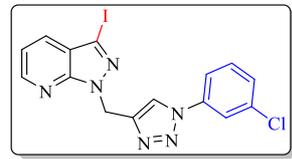


Mass of compound 27



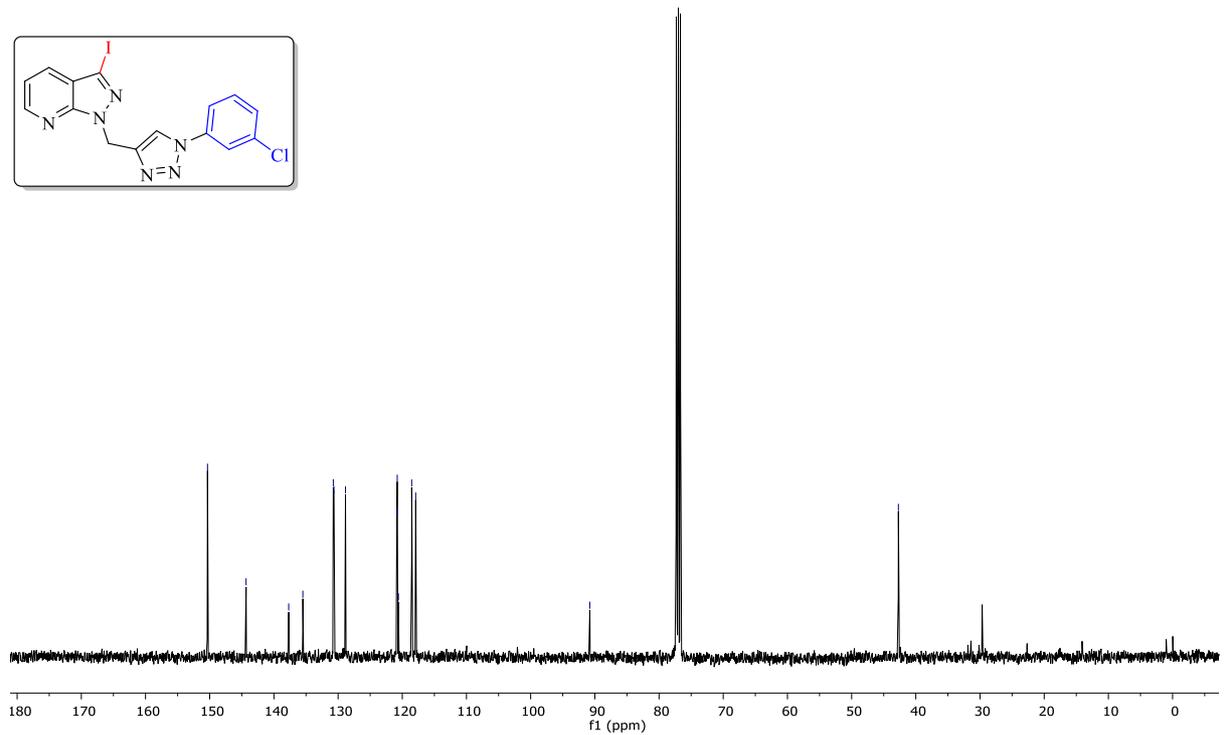
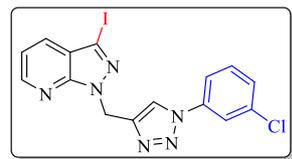
¹H NMR of compound 28

CY-R2-28_PROTON_20210917_01

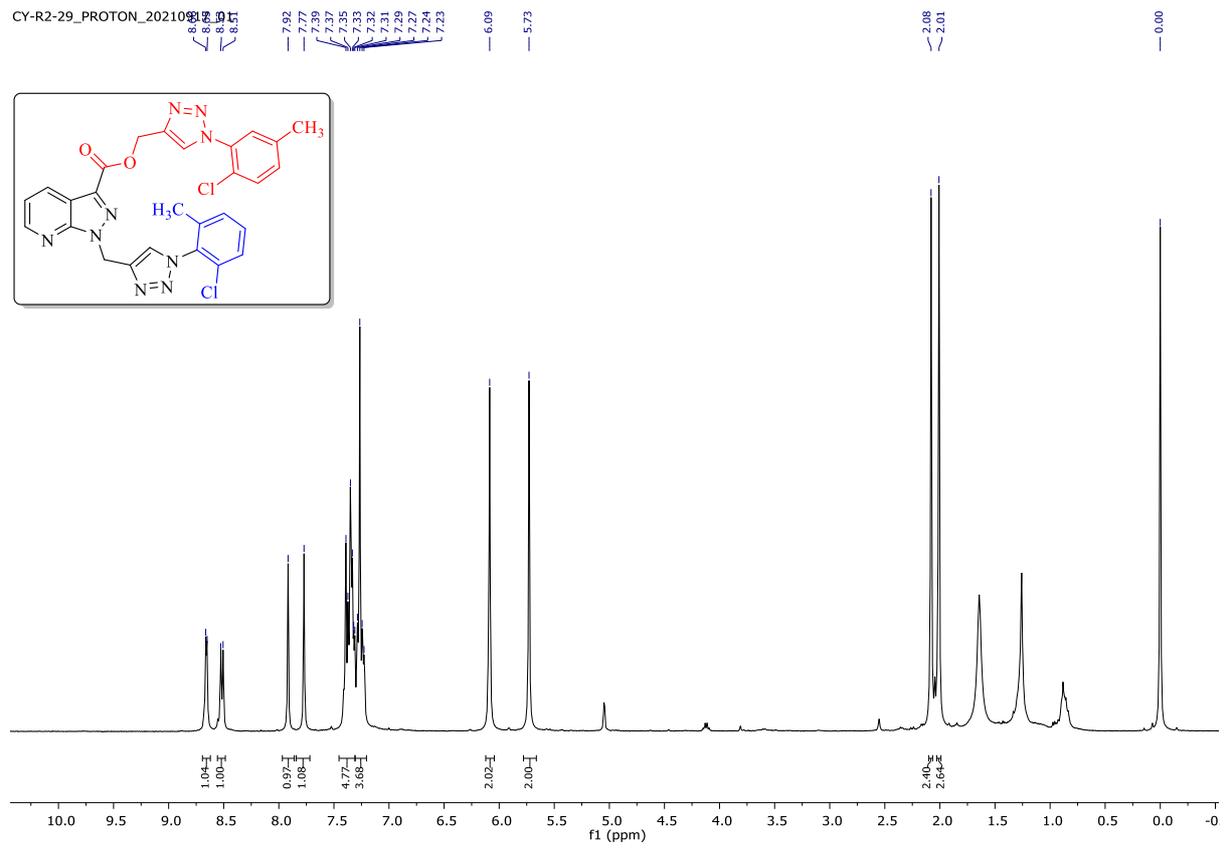


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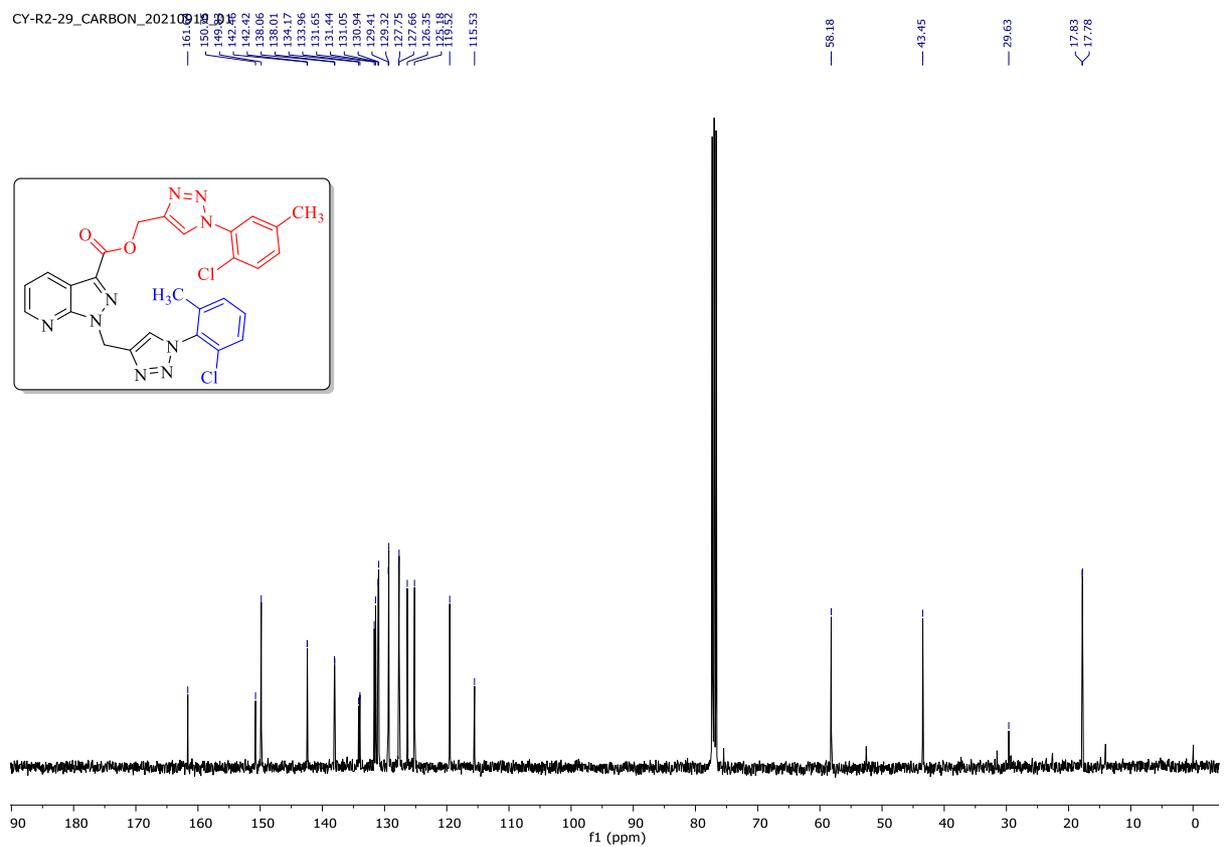
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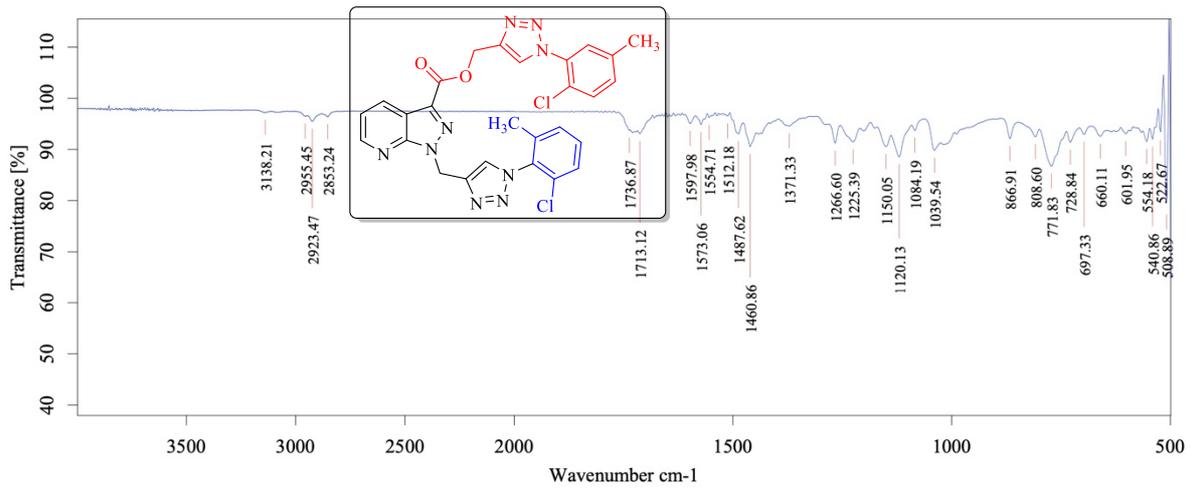
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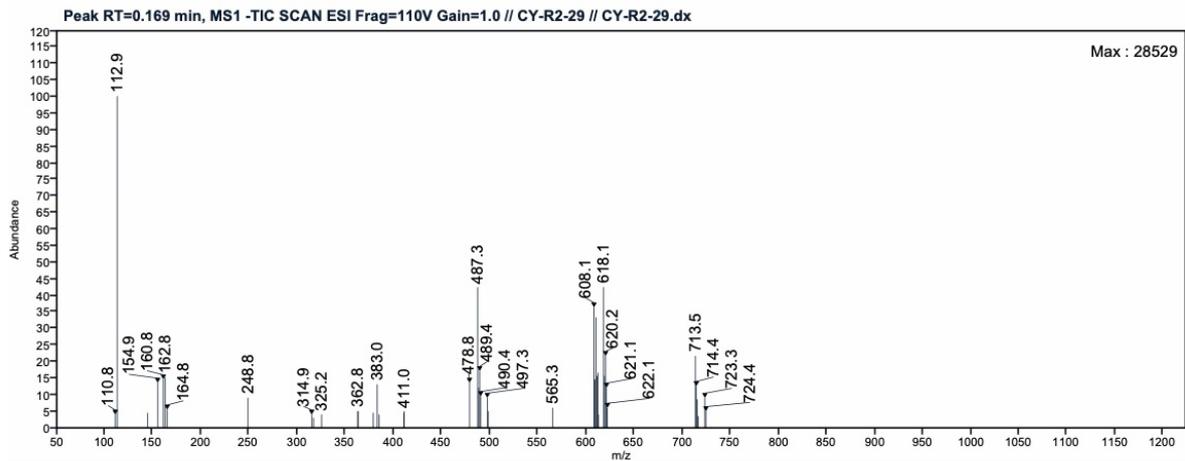
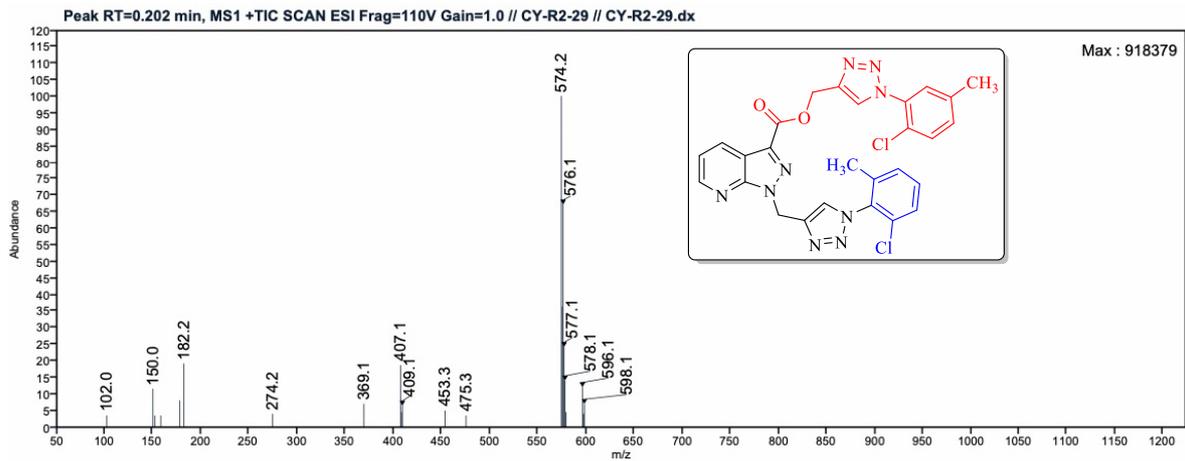
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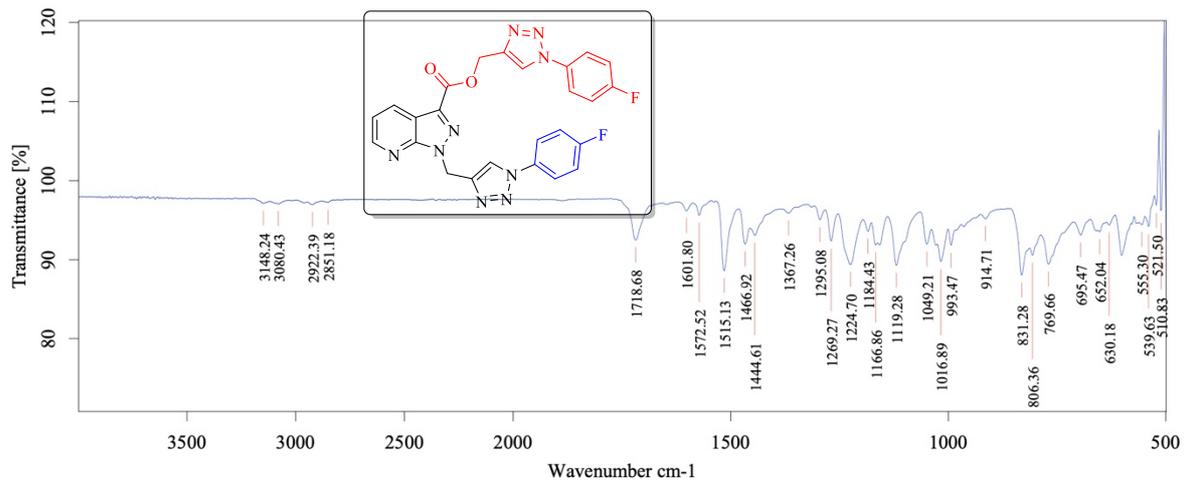
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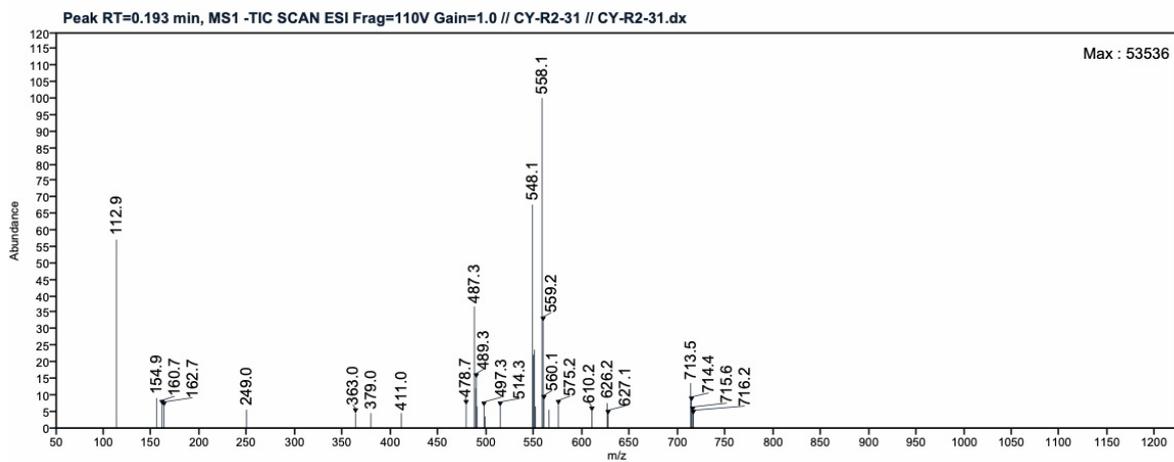
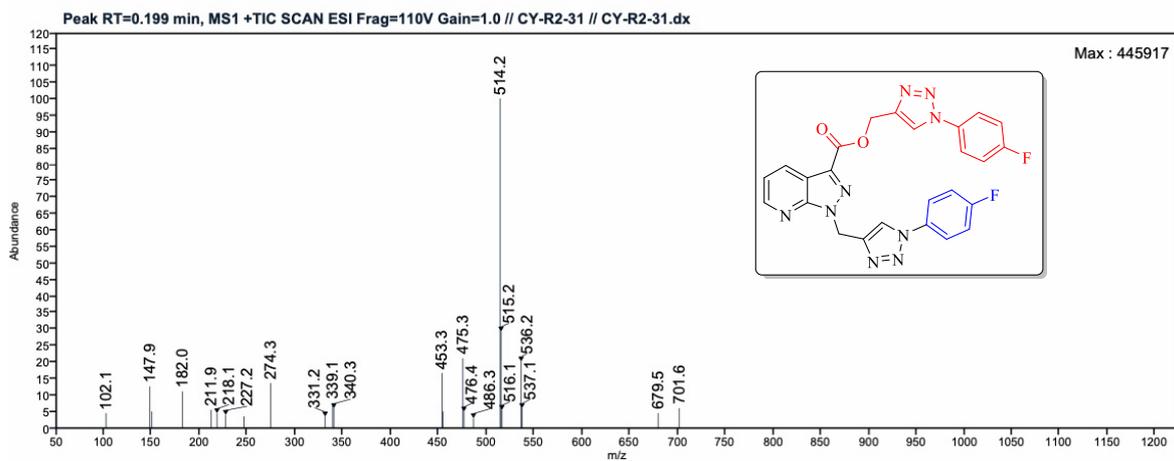
Mass of compound 29



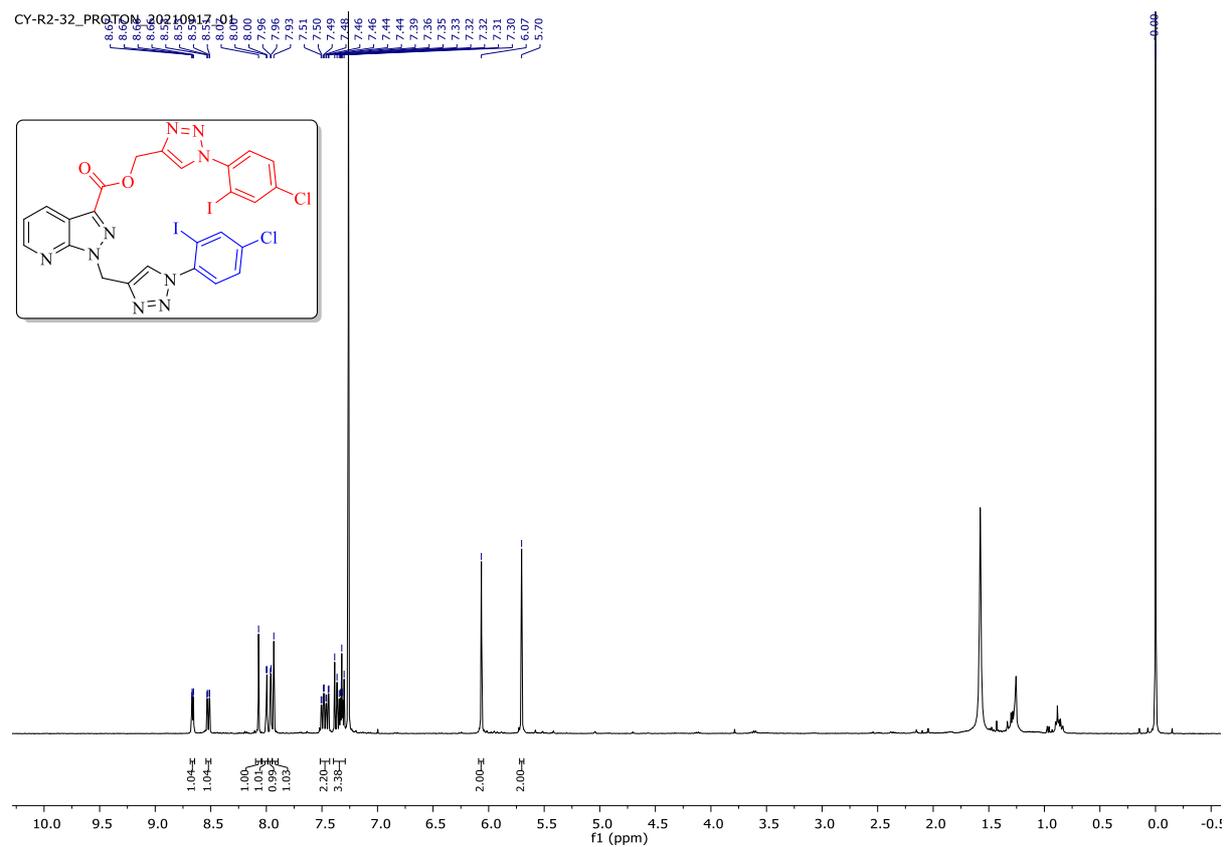
IR of compound 31



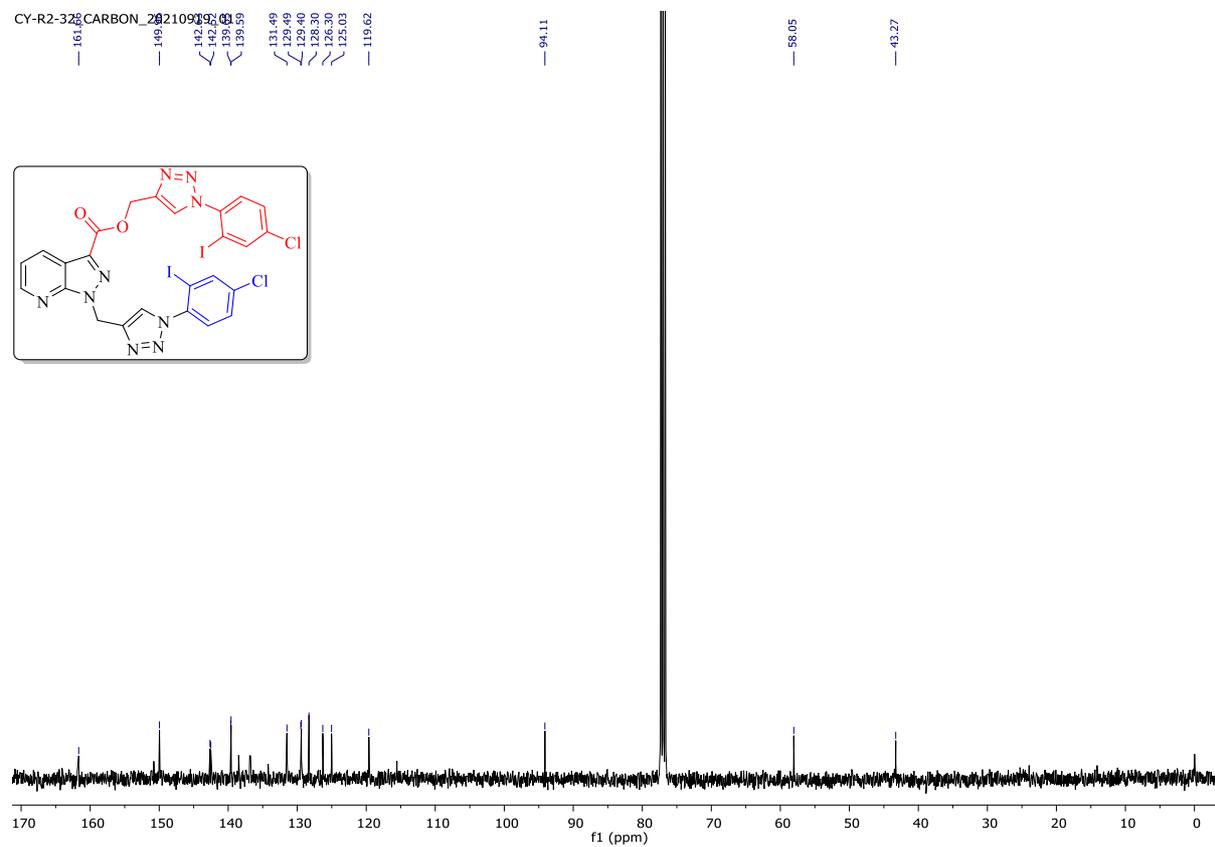
Mass of compound 31



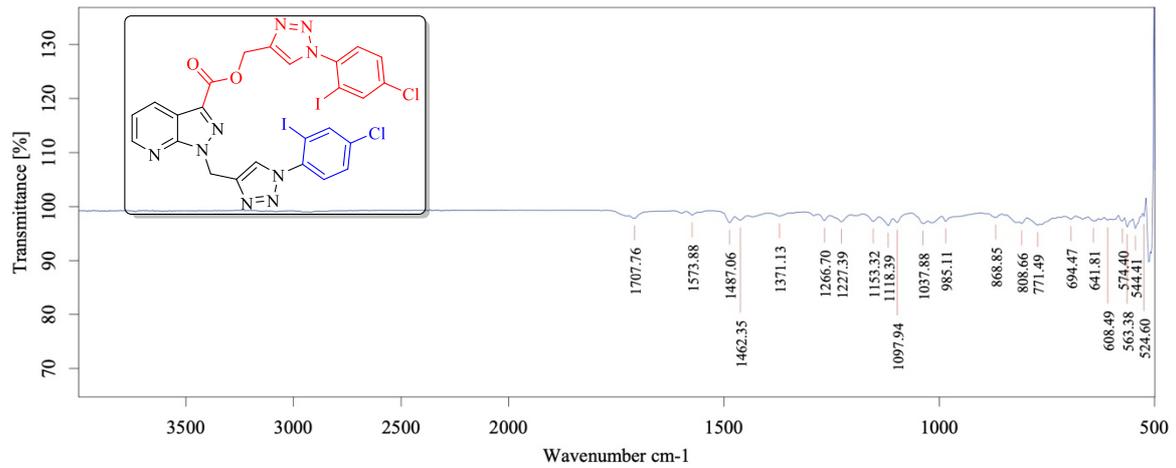
¹H NMR of compound 32



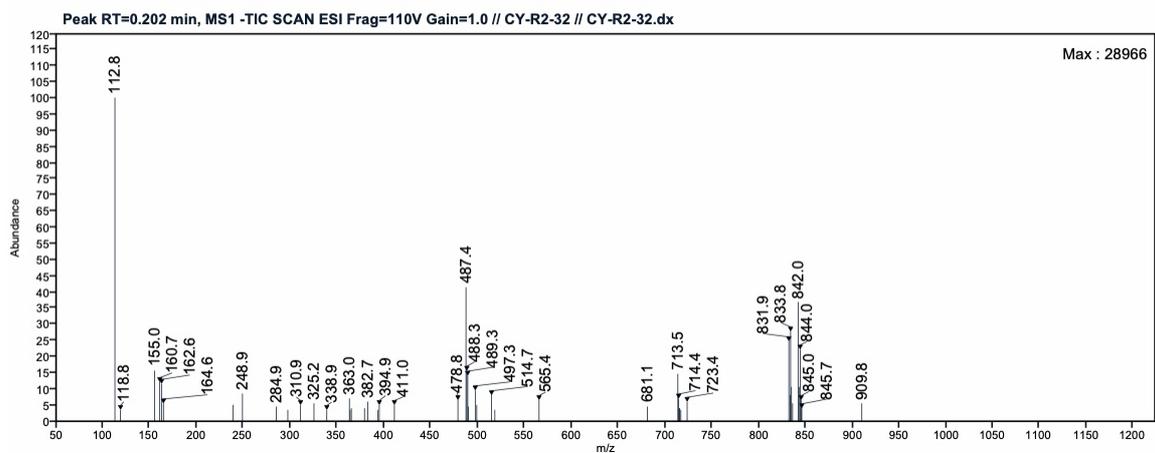
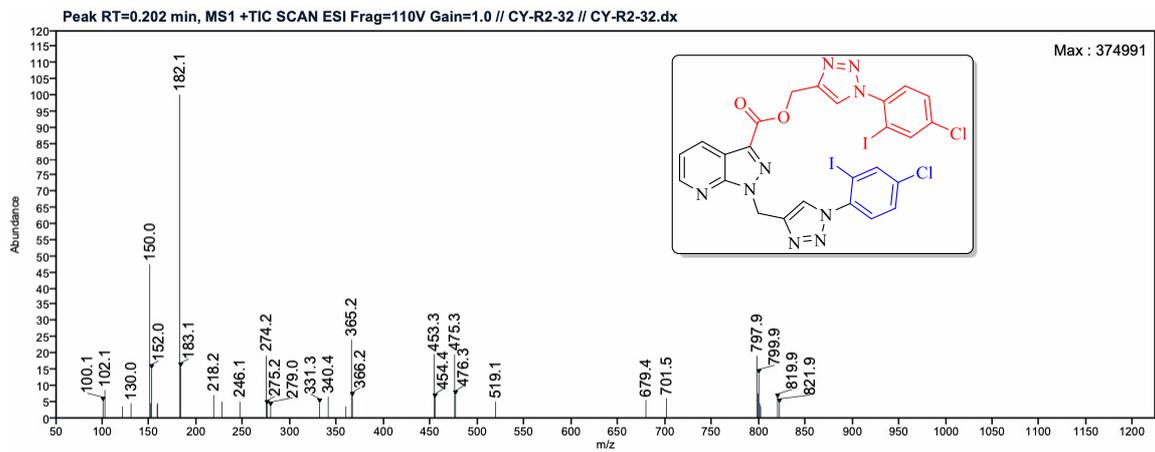
¹³C NMR of compound 32



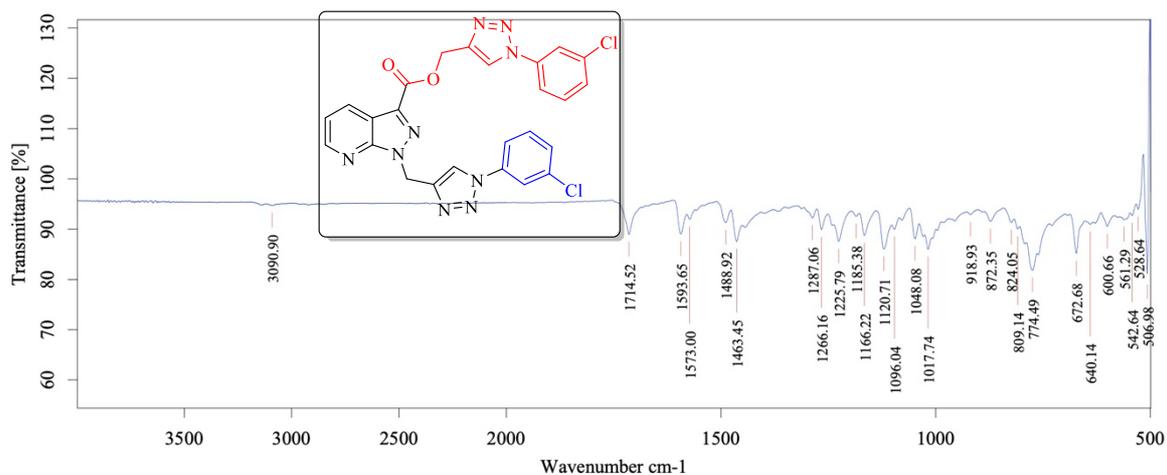
IR of compound 32



Mass of compound 32



IR of compound 33



Mass of compound 33

