

## Supporting Information

### Synthesis and Biological Activity of 3-(heteroaryl)quinolin-2(1*H*)-ones bis-Hetereocycles as potential Inhibitors of the Protein Folding Machinery Hsp90

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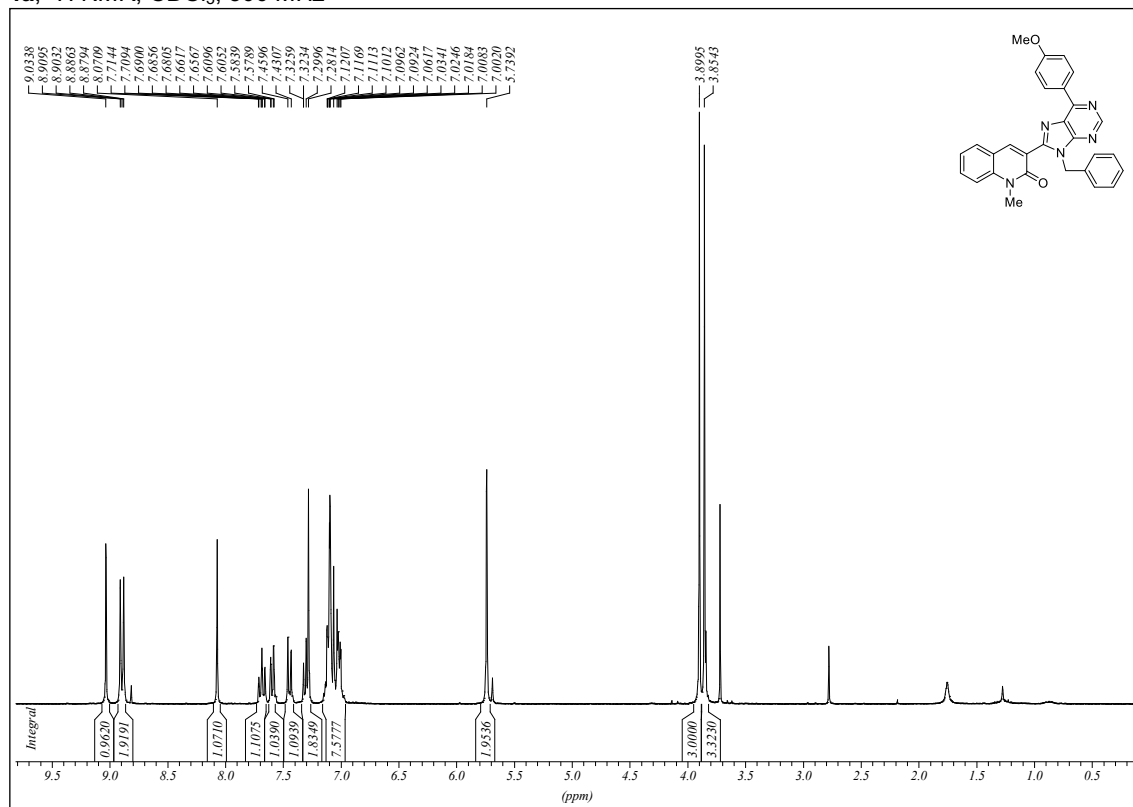
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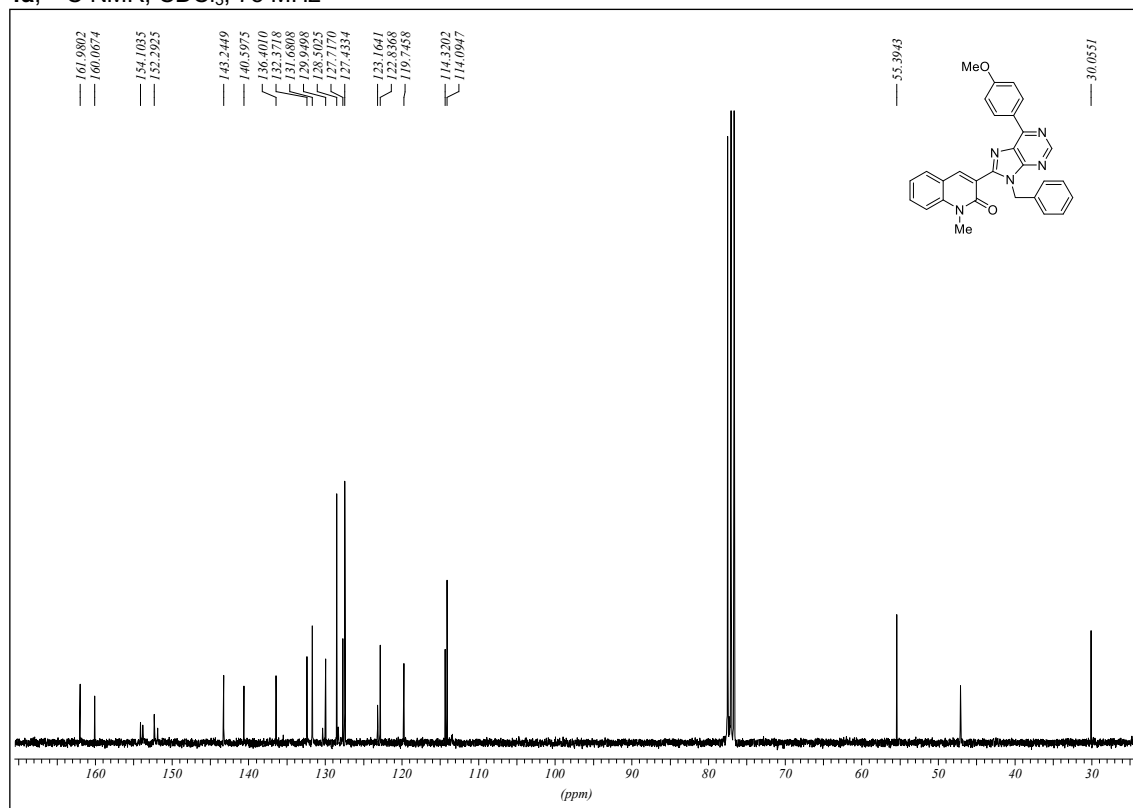
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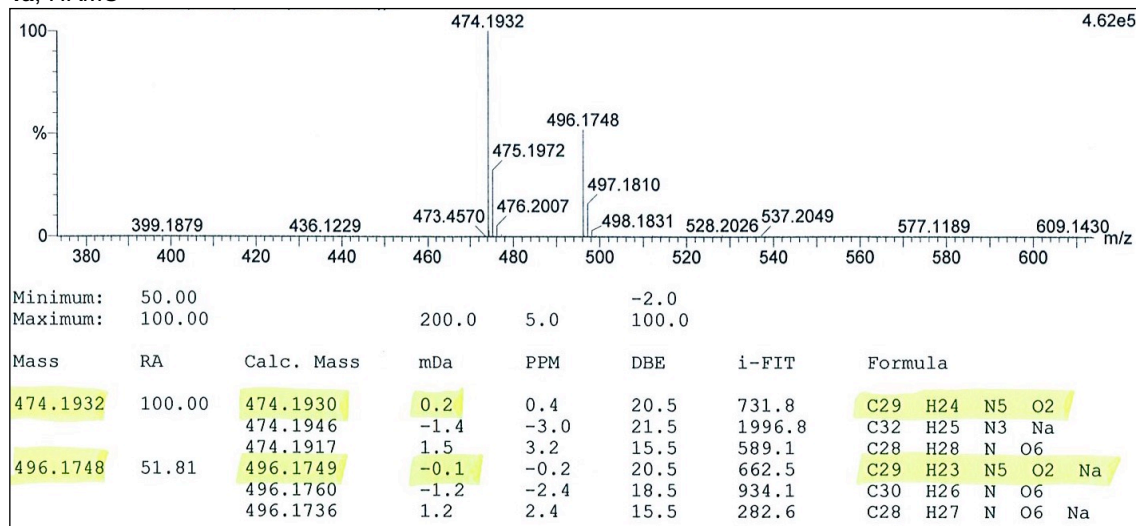
**4a**,  $^1\text{H}$  NMR,  $\text{CDCl}_3$ , 300 MHz



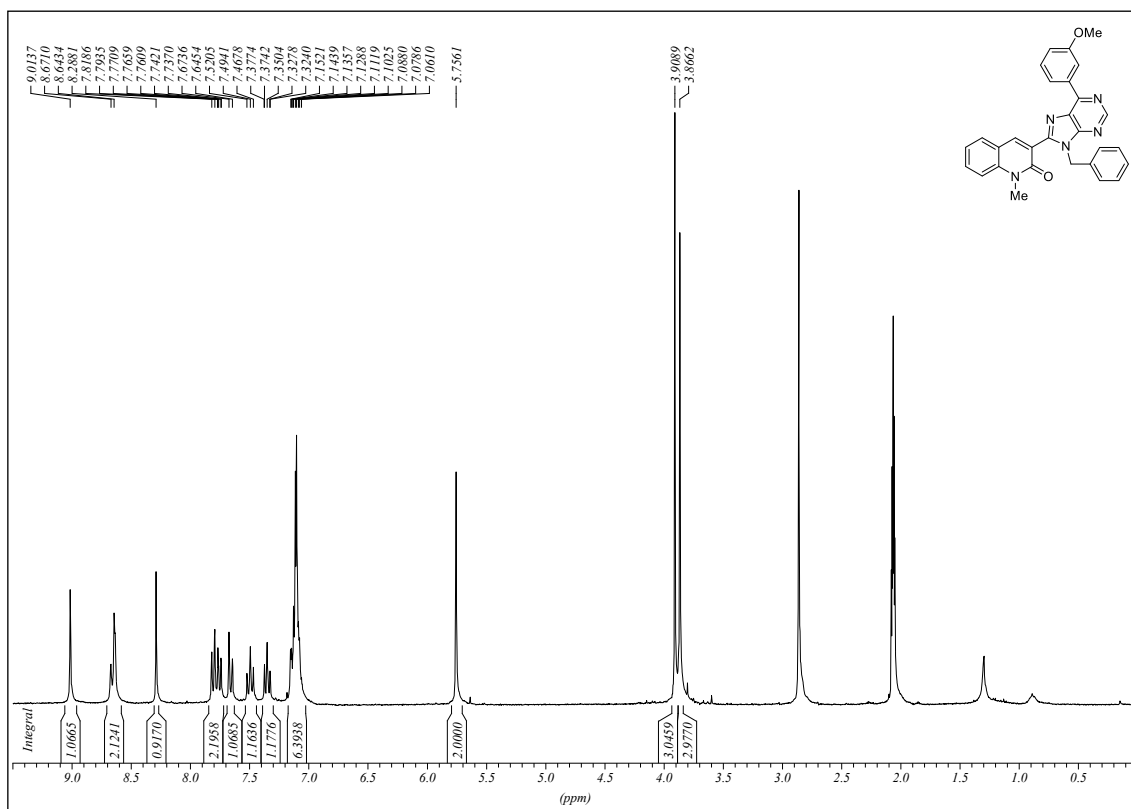
**4a**,  $^{13}\text{C}$  NMR,  $\text{CDCl}_3$ , 75 MHz



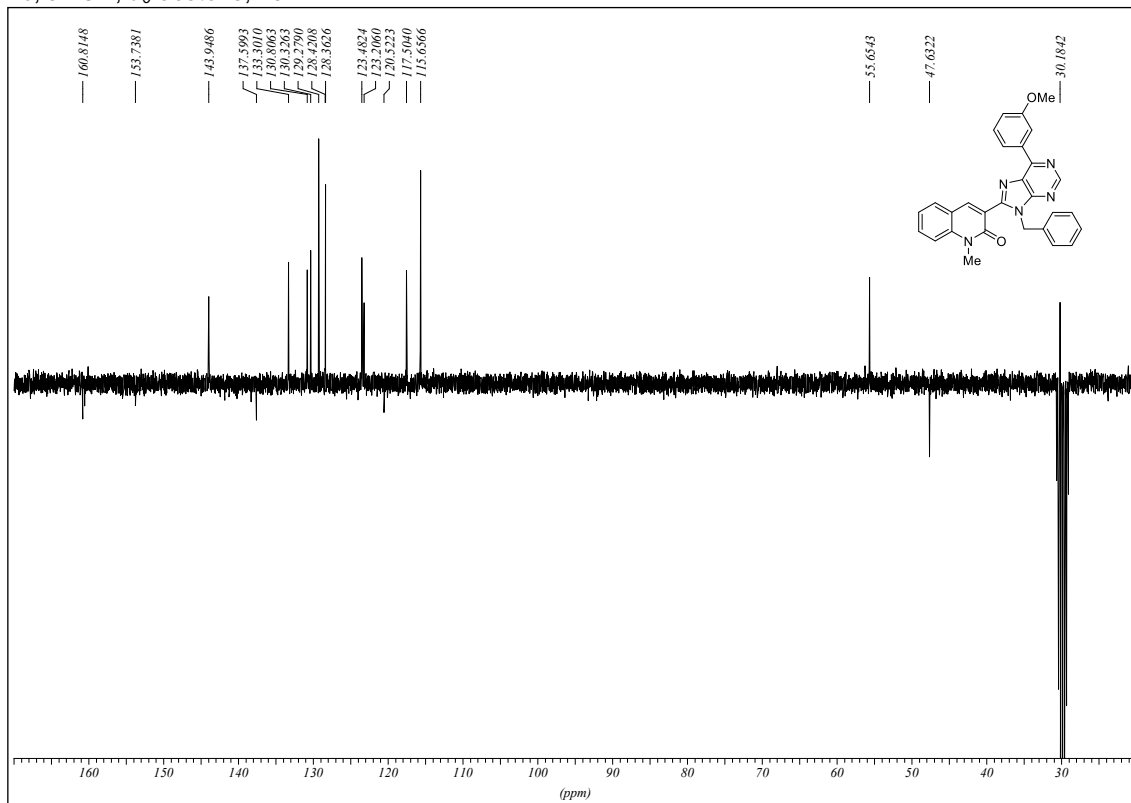
# 4a, HRMS



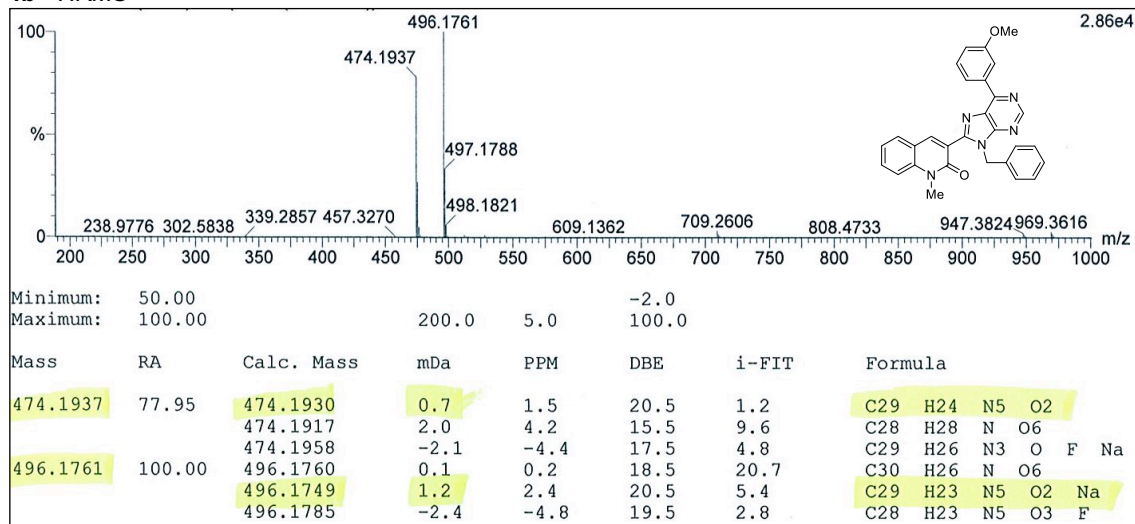
**4b**,  $^1\text{H}$  NMR,  $d_6$ -acetone, 300 MHz



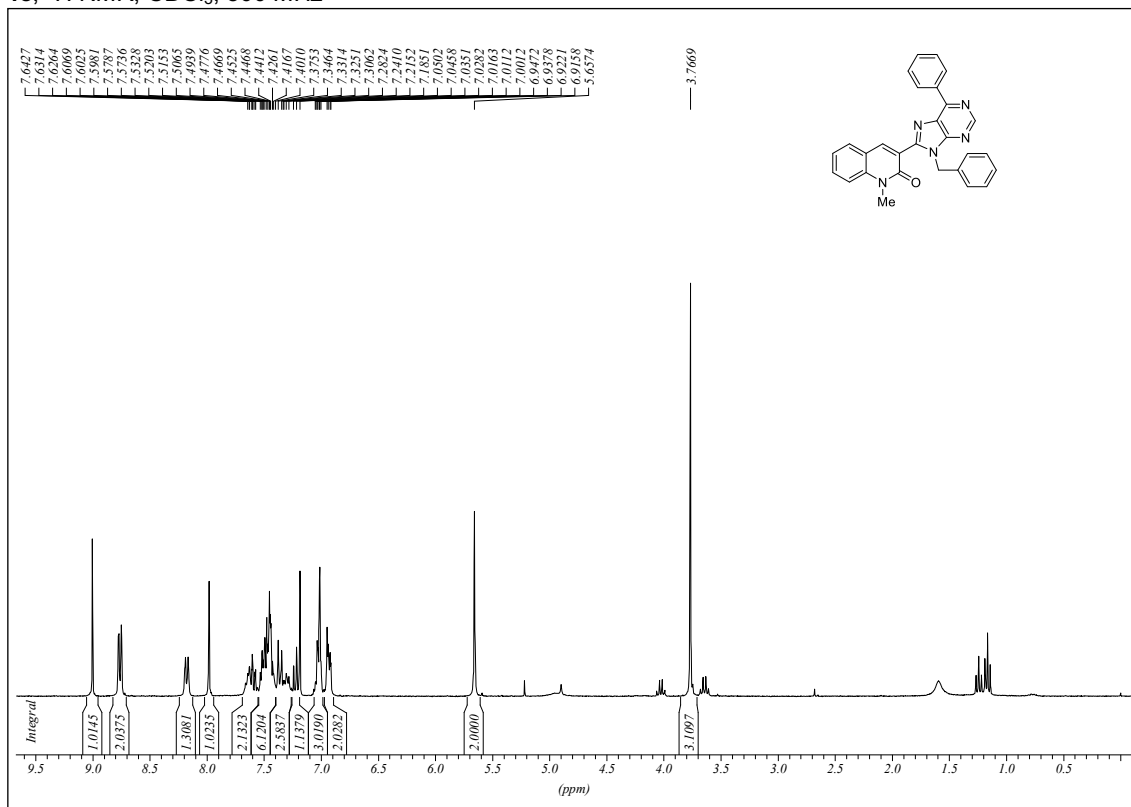
**4b**, JMOD,  $d_6$ -acetone, 75 MHz



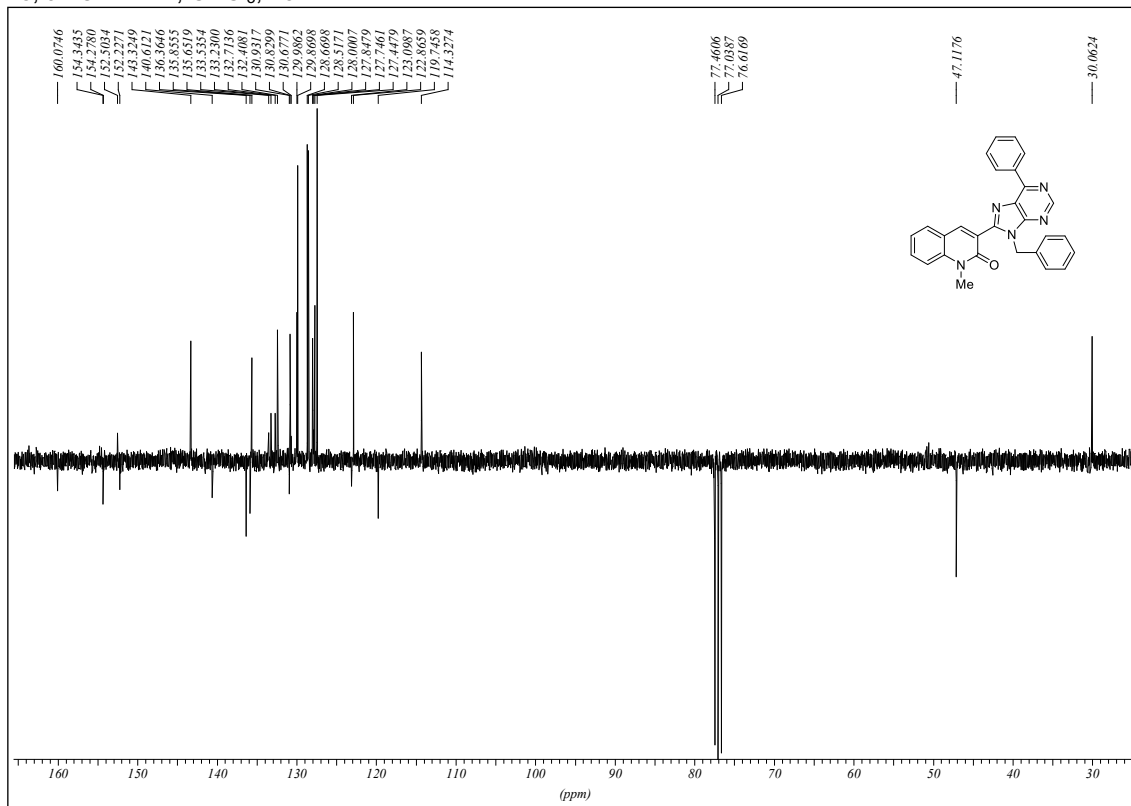
# 4b - HRMS



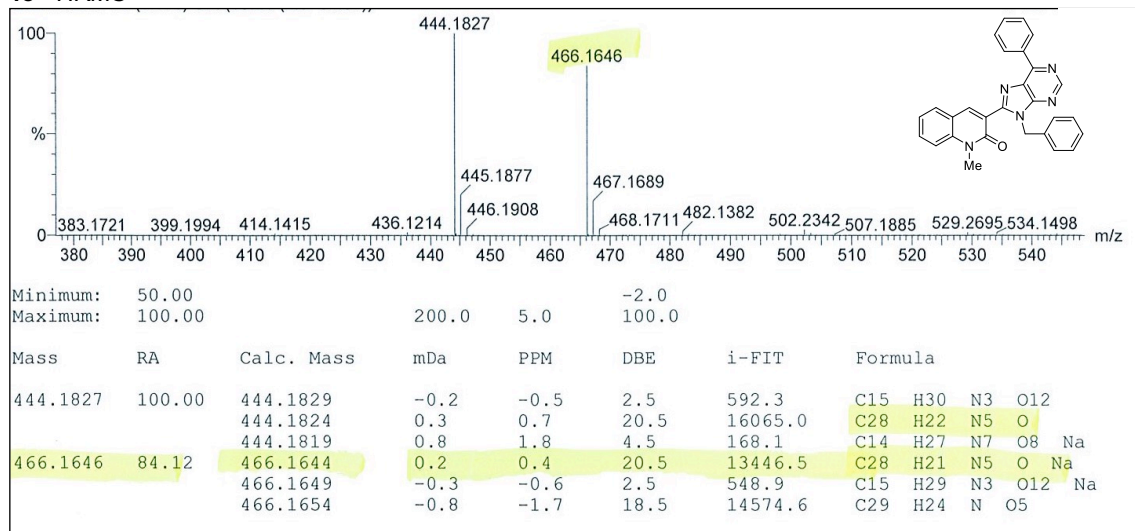
**4c**,  $^1\text{H}$  NMR,  $\text{CDCl}_3$ , 300 MHz



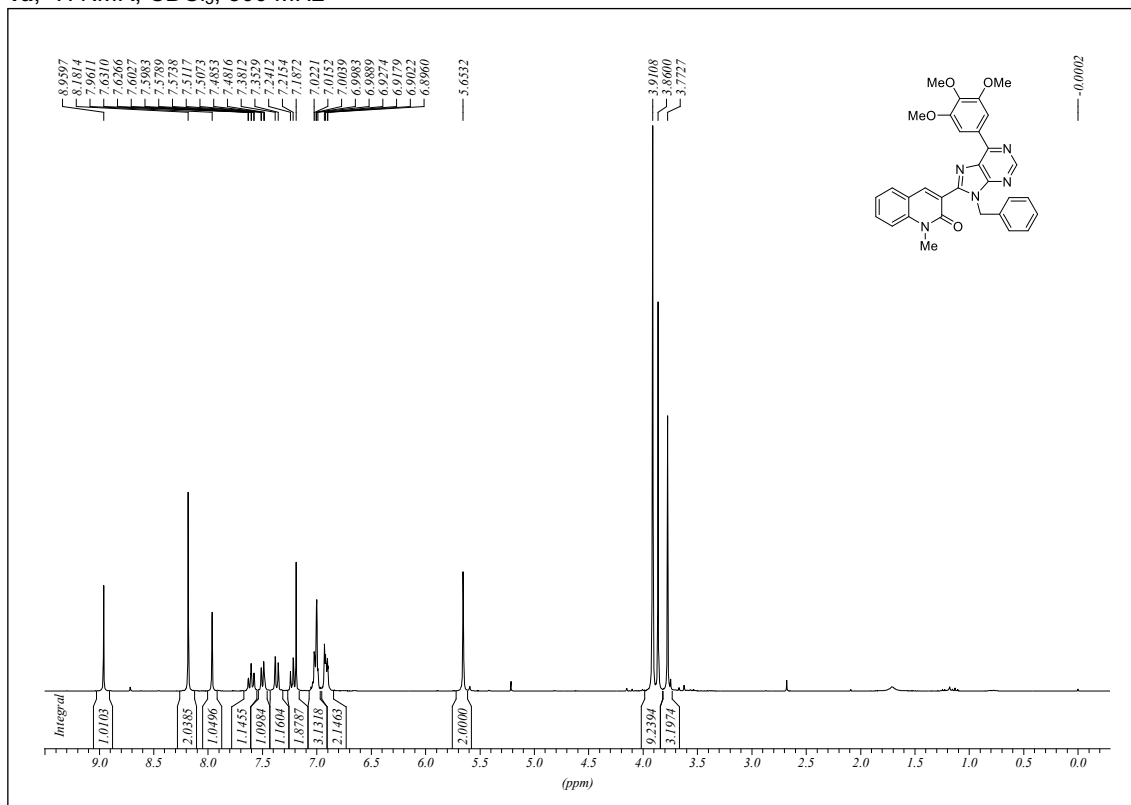
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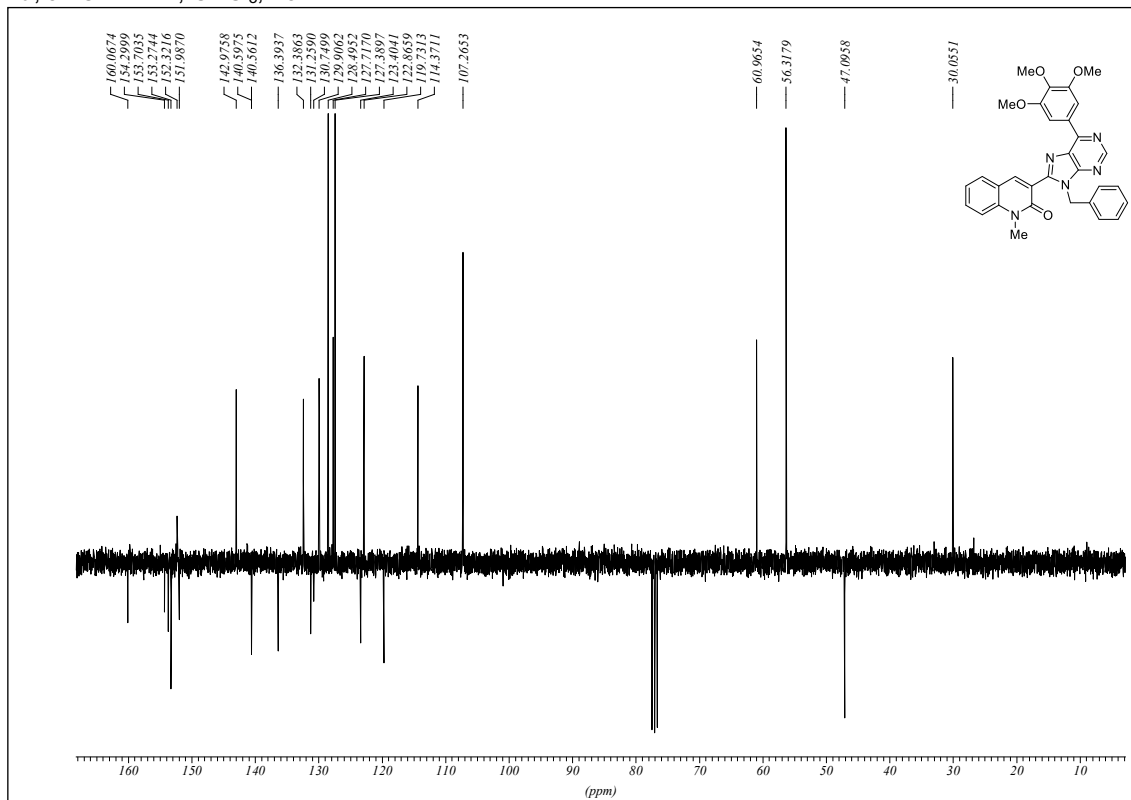
# 4c - HRMS



**4d**,  $^1\text{H}$  NMR,  $\text{CDCl}_3$ , 300 MHz

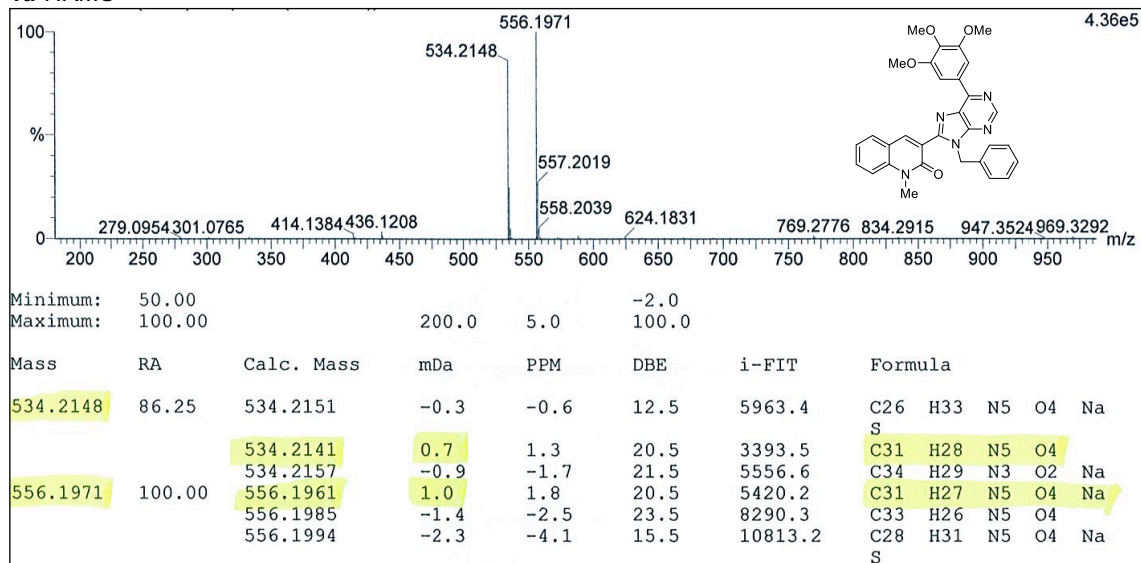


**4d**, JMOD-NMR,  $\text{CDCl}_3$ , 75 MHz

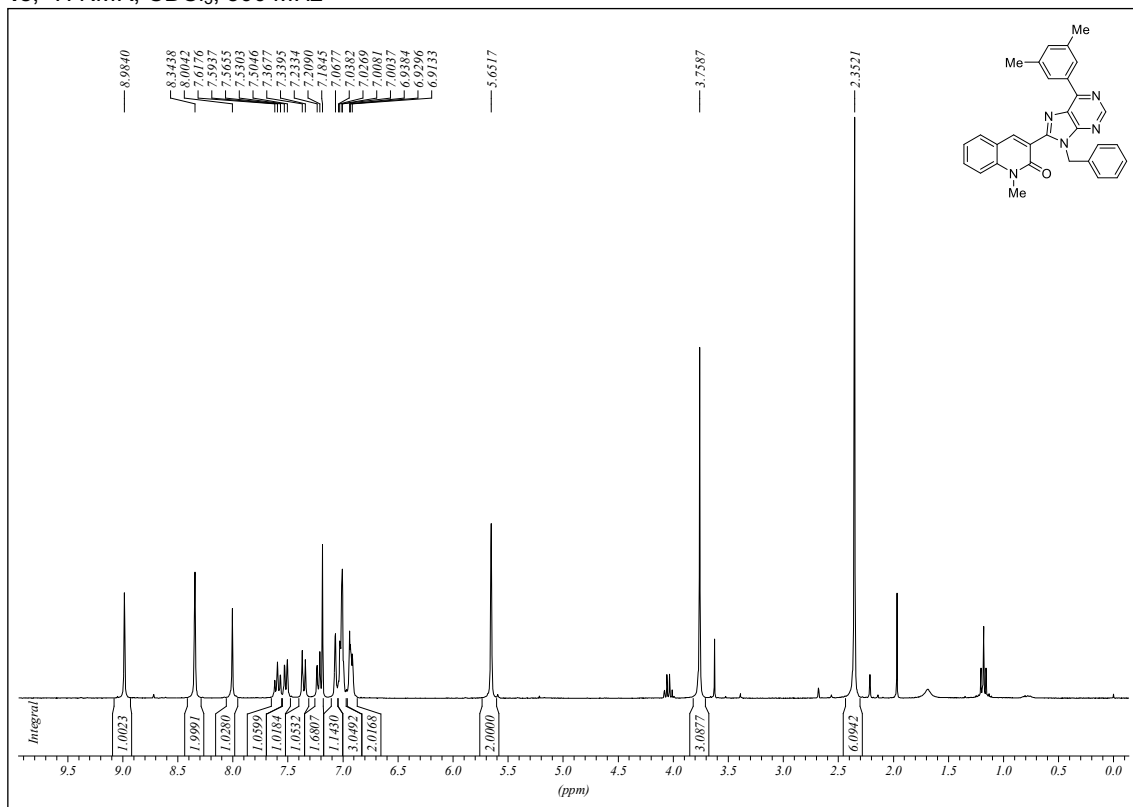




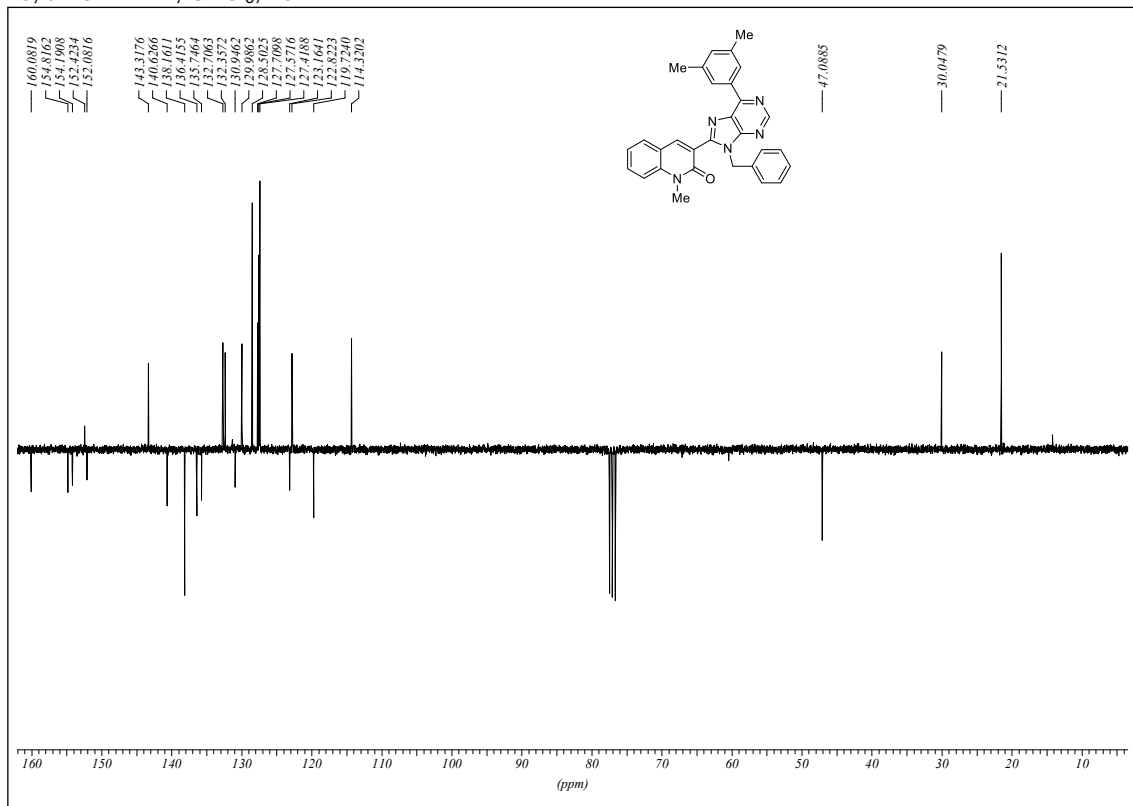
# 4d-HRMS



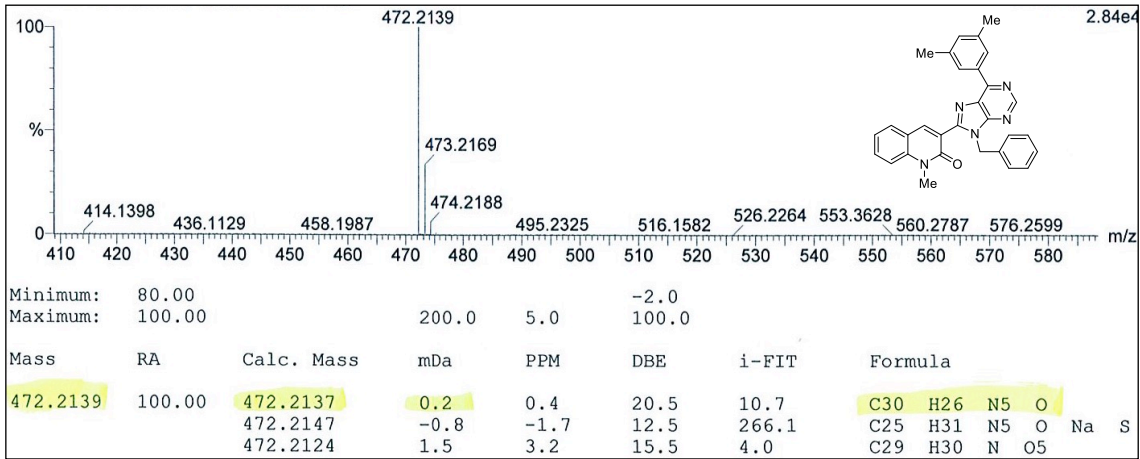
**4e**,  $^1\text{H}$  NMR,  $\text{CDCl}_3$ , 300 MHz



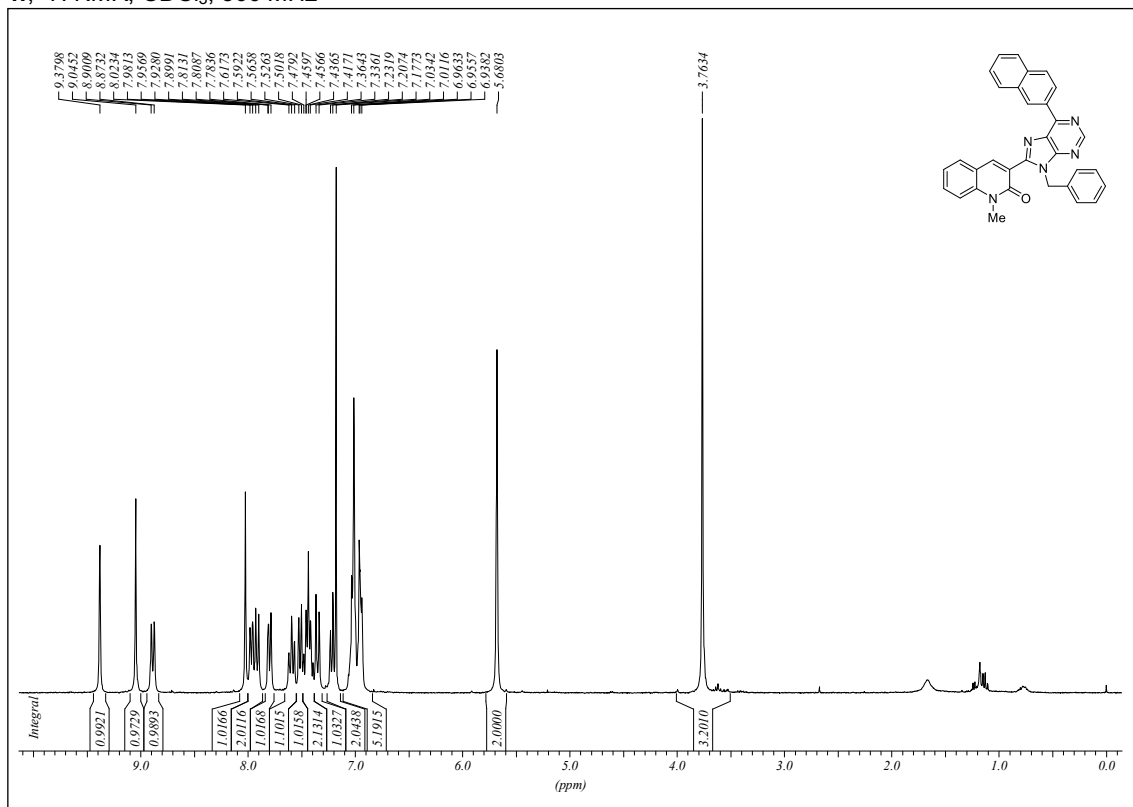
**4e**, JMOD NMR,  $\text{CDCl}_3$ , 75 MHz



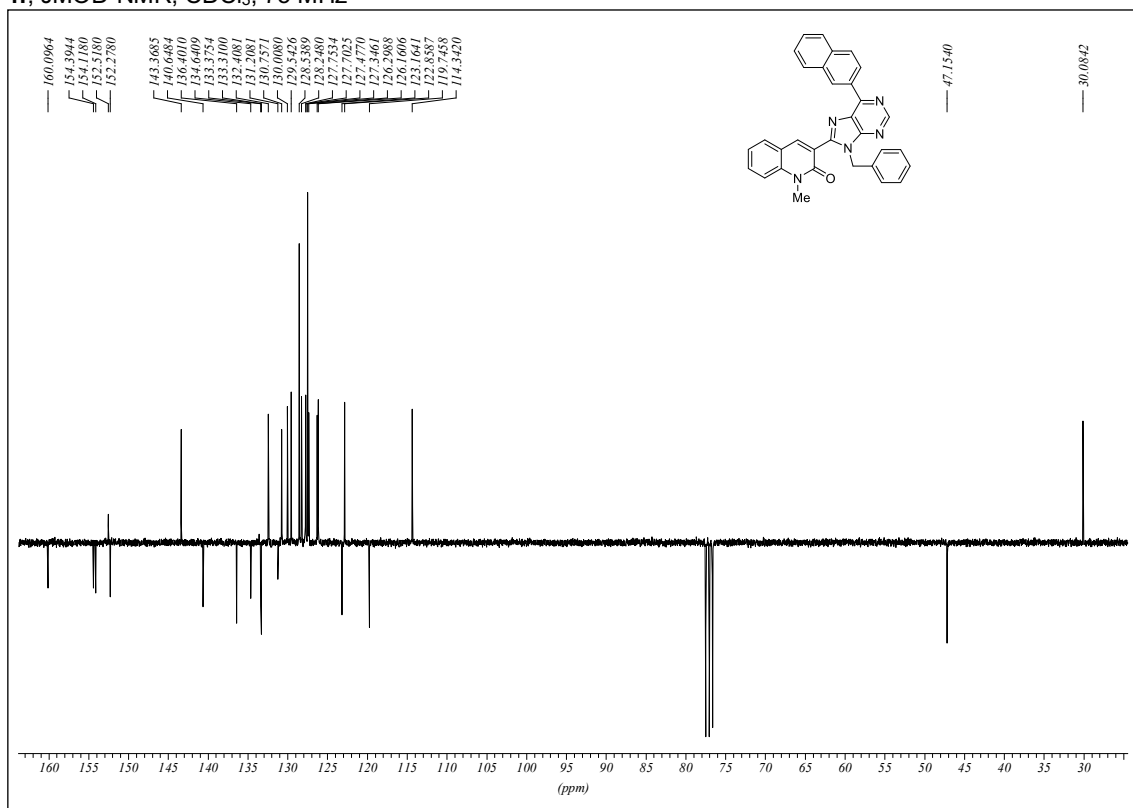
4e-HRMS



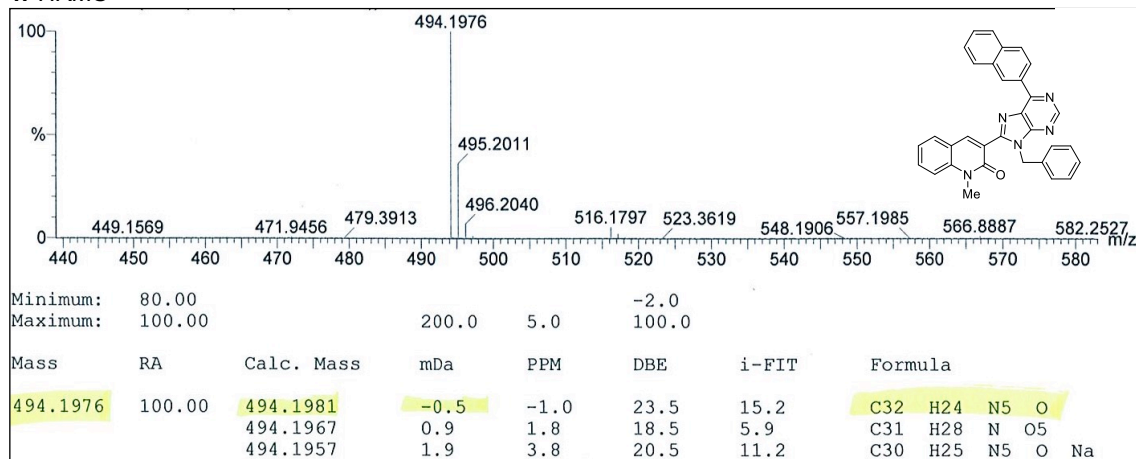
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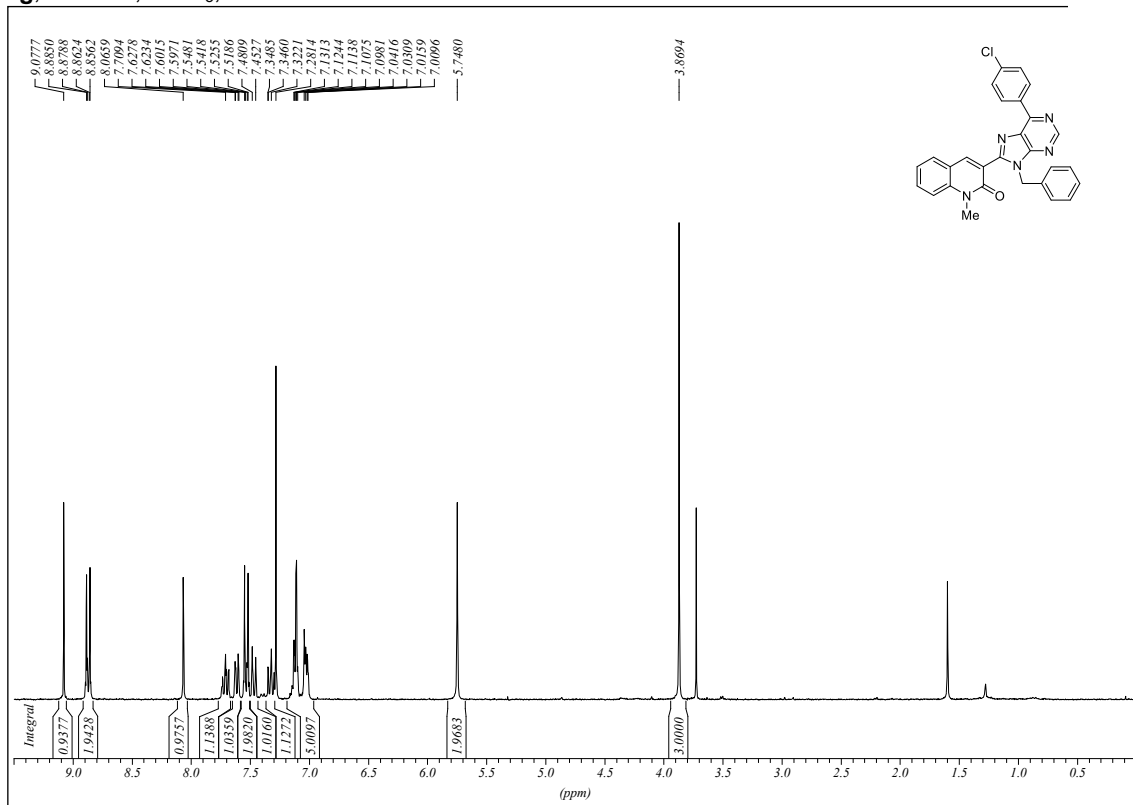
**4f**, JMOD-NMR,  $\text{CDCl}_3$ , 75 MHz



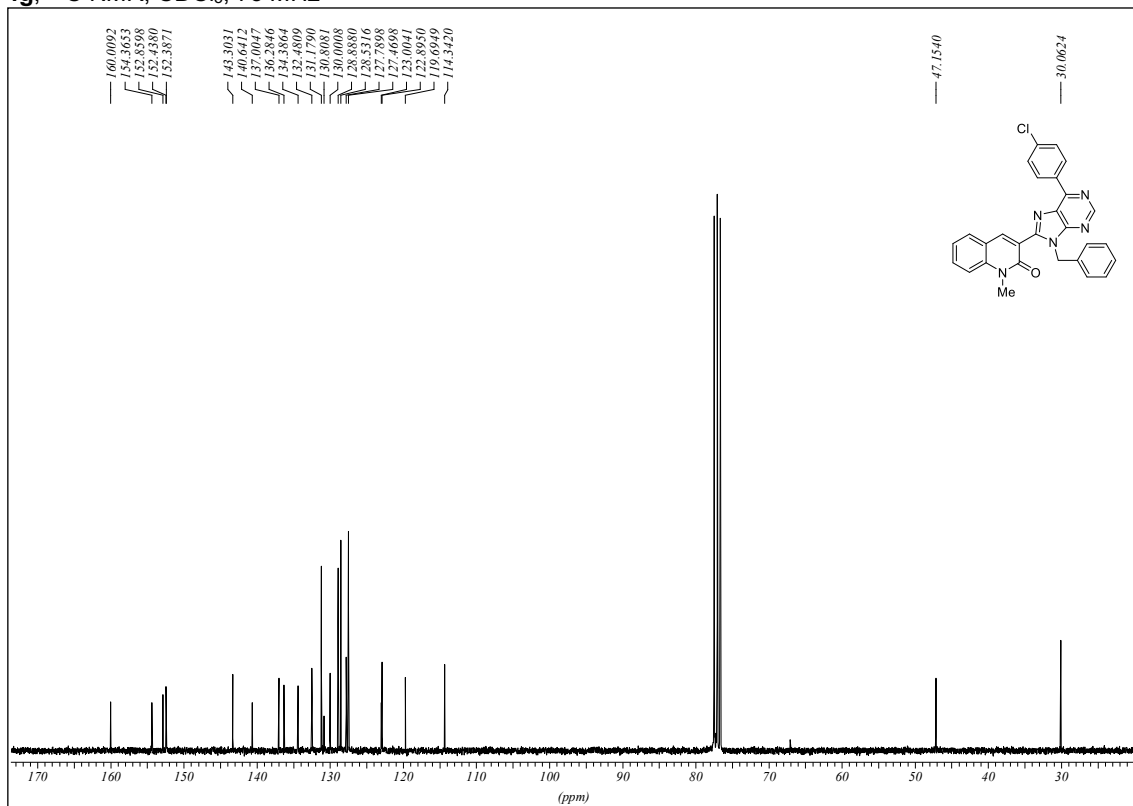
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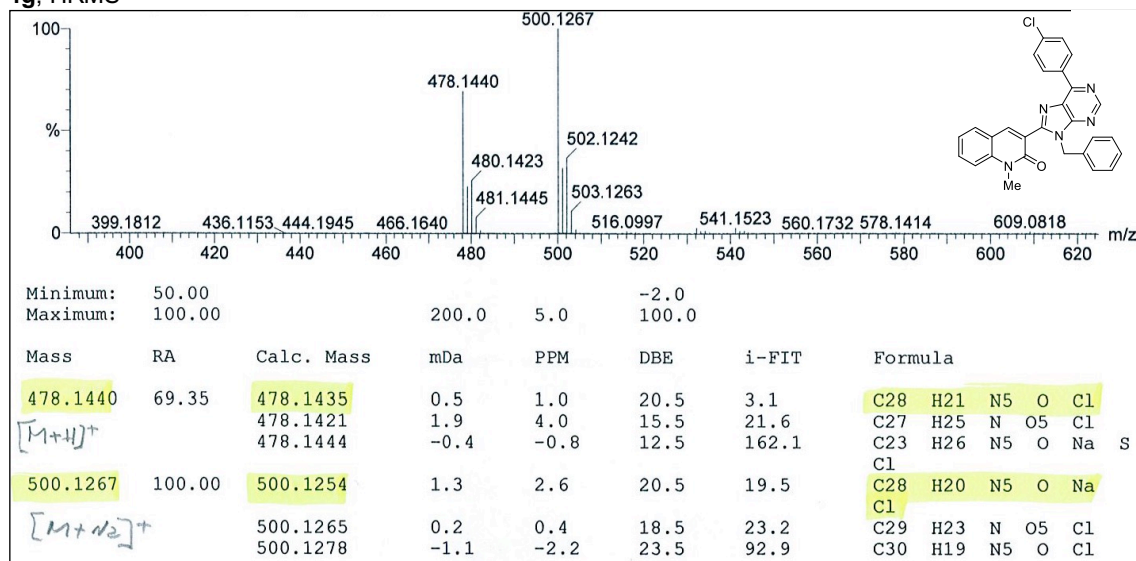
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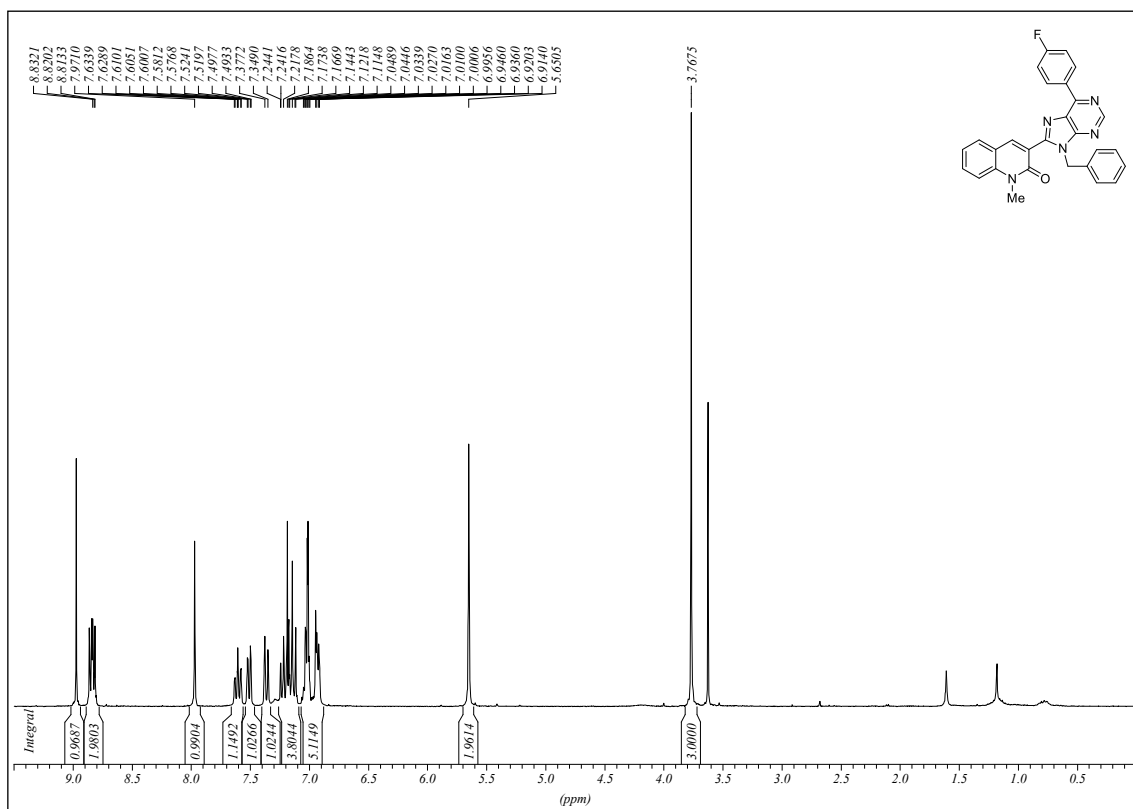
**4g**,  $^{13}\text{C}$  NMR,  $\text{CDCl}_3$ , 75 MHz



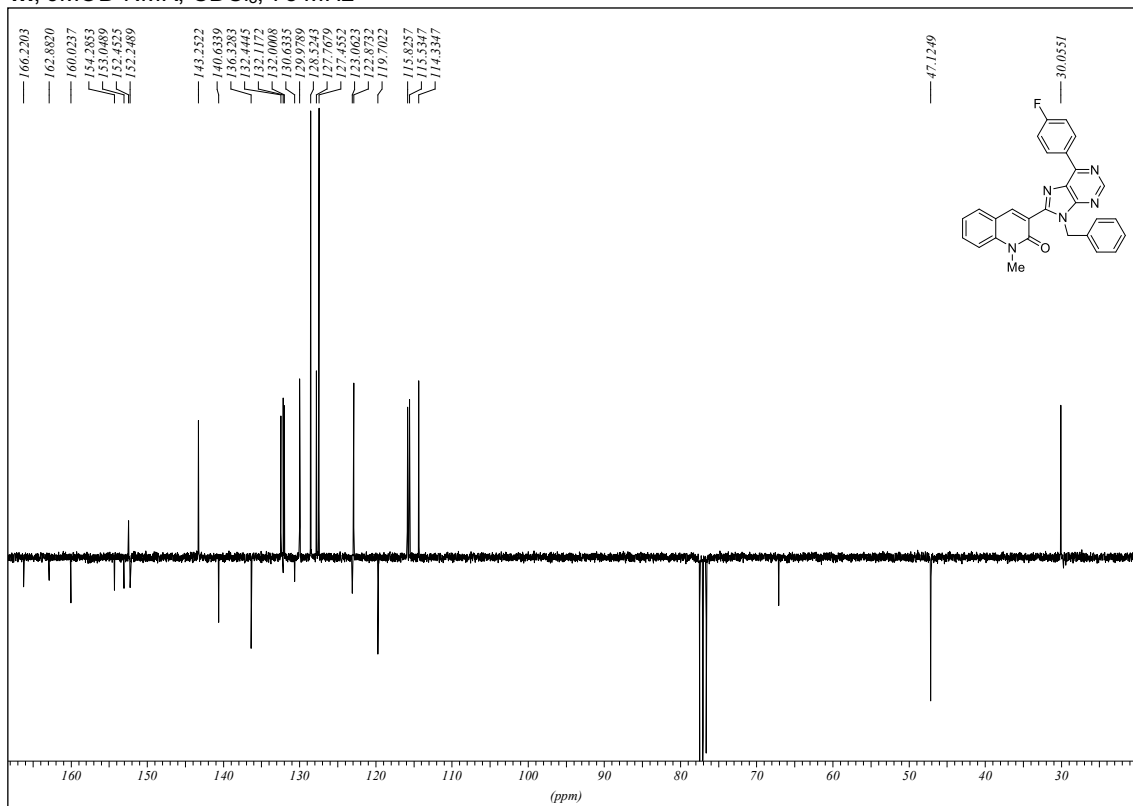
4g, HRMS



**4h**,  $^1\text{H}$  NMR,  $\text{CDCl}_3$ , 300 MHz

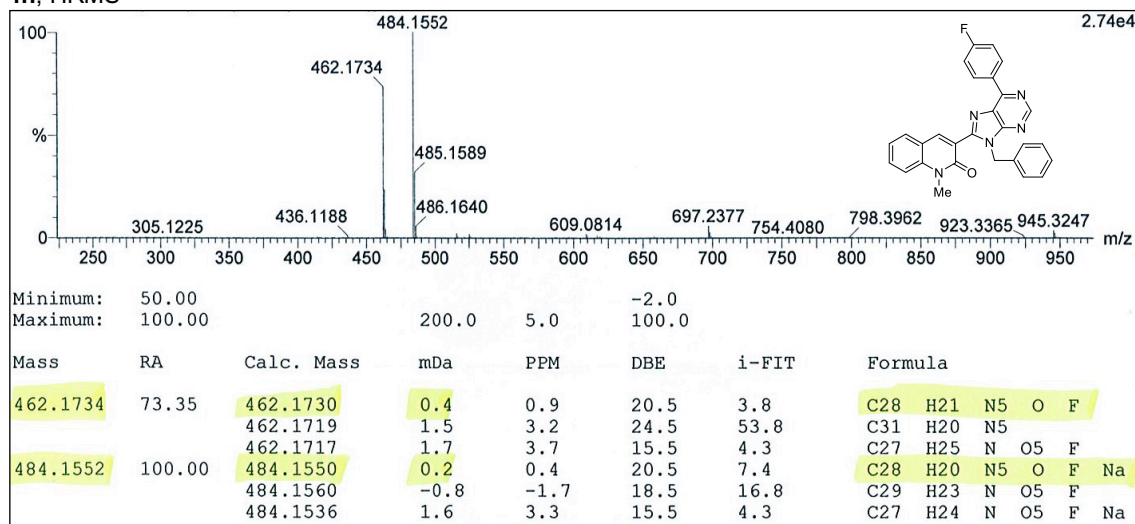


**4h**, JMOD-NMR,  $\text{CDCl}_3$ , 75 MHz

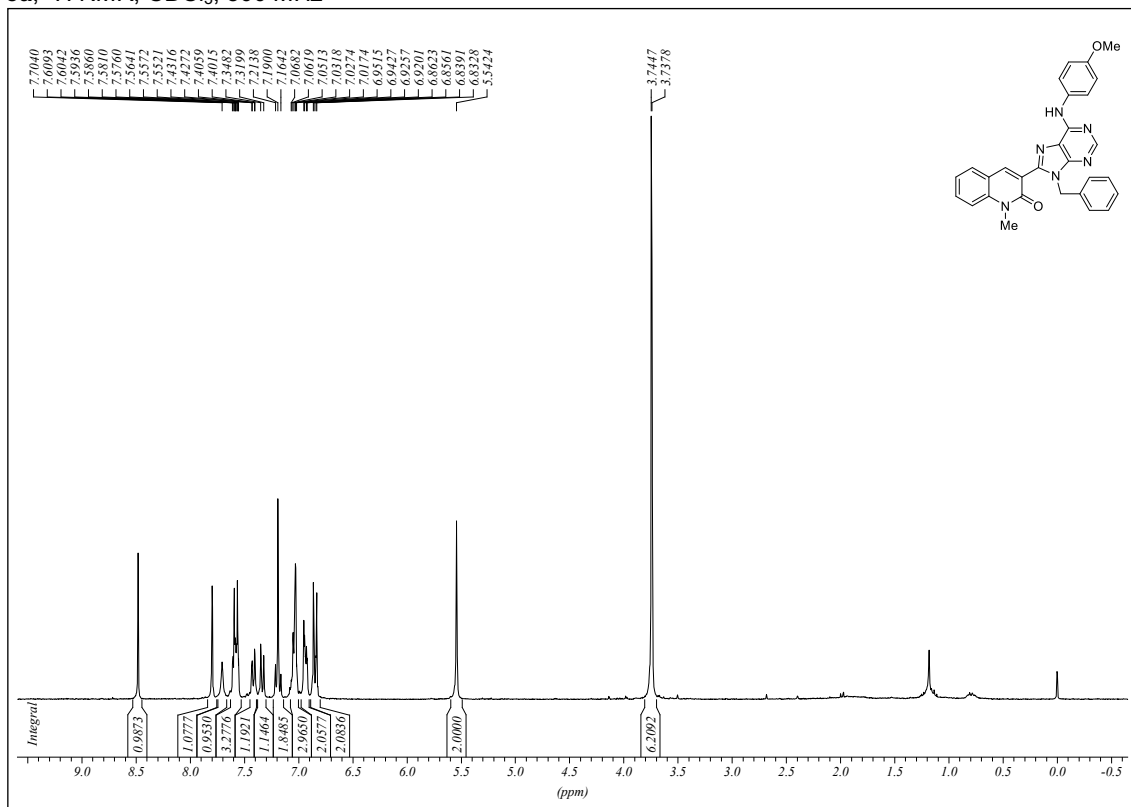




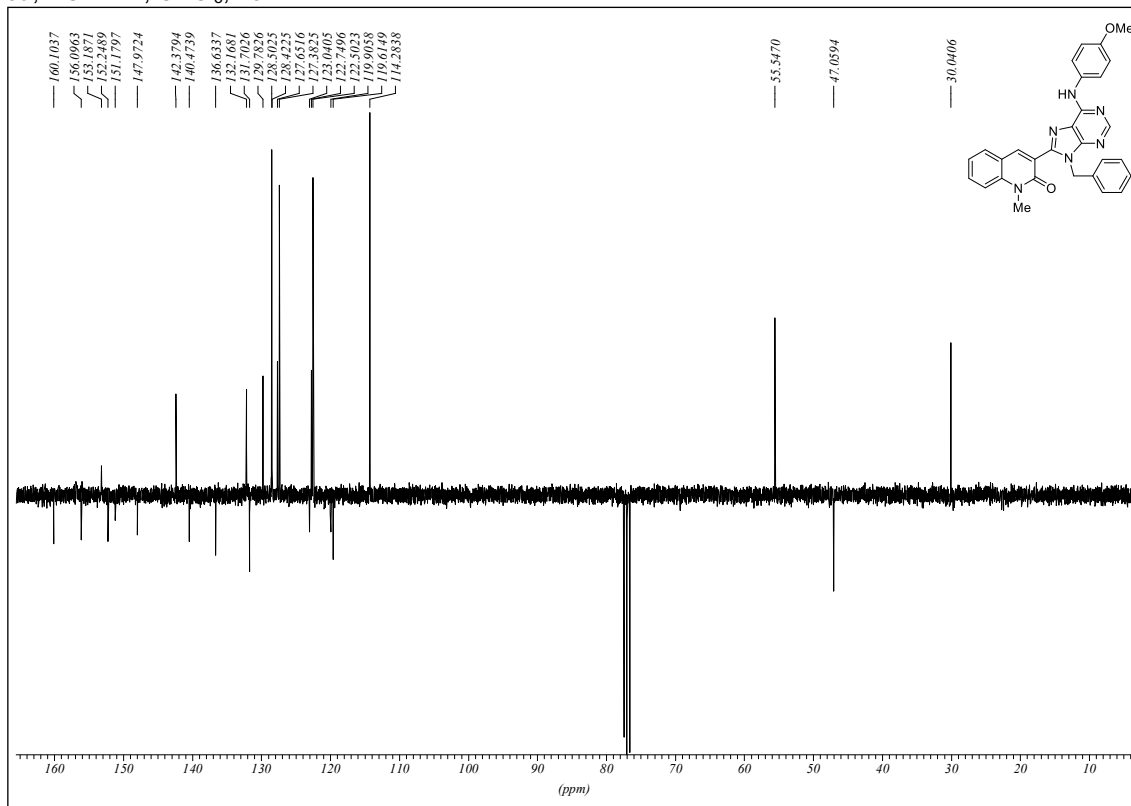
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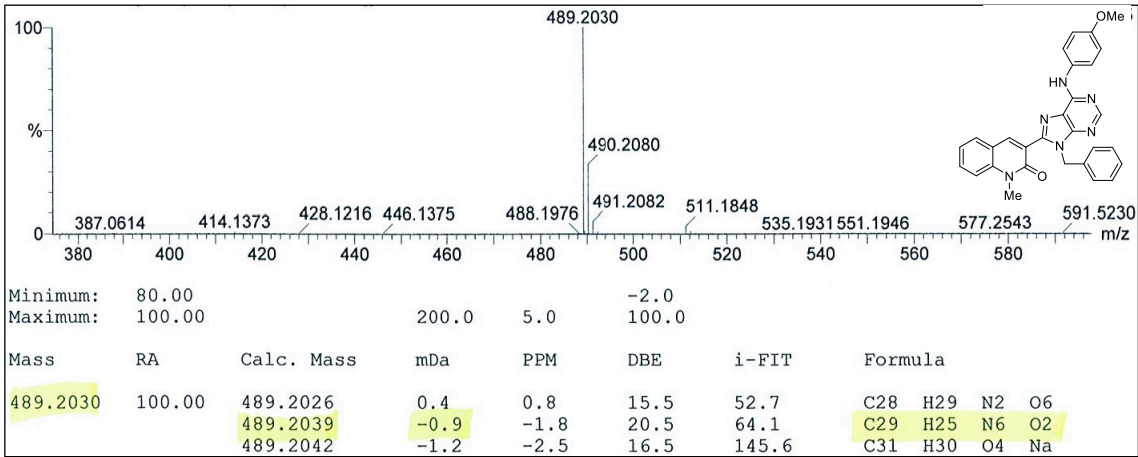
**5a**,  $^1\text{H}$  NMR,  $\text{CDCl}_3$ , 300 MHz



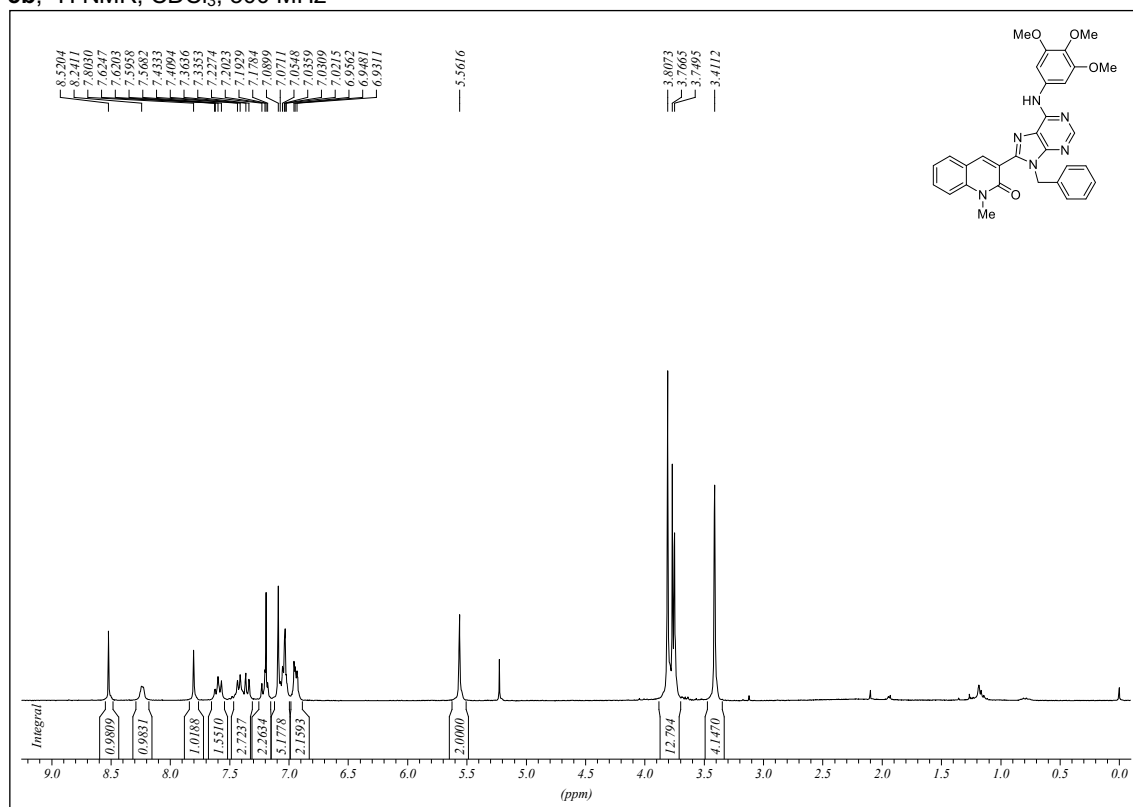
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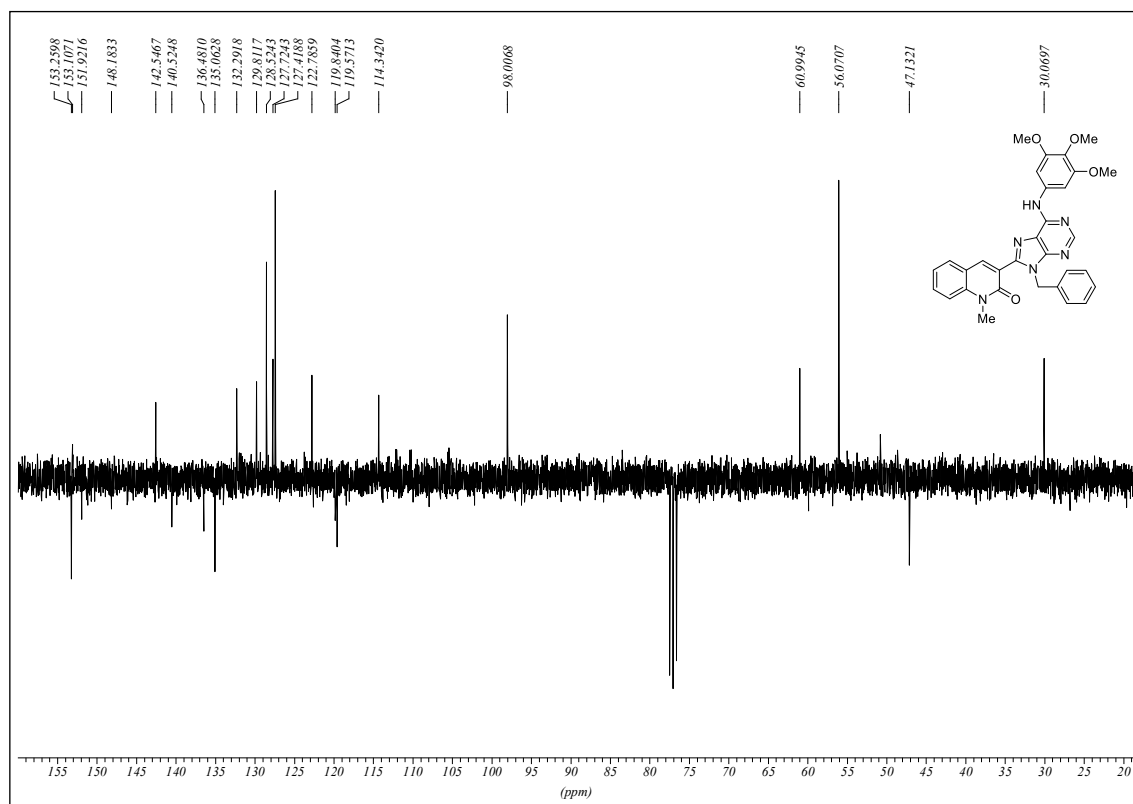
5a-HRMS



**5b**,  $^1\text{H}$  NMR,  $\text{CDCl}_3$ , 300 MHz



**5b**, JMOD-NMR,  $\text{CDCl}_3$ , 75 MHz



# 5b-HRMS

