

Supplementary Information for

A series of novel 1-*H*-isoindole-1,3(2*H*)-dione Derivatives as Acetylcholinesterase and Butyrylcholinesterase Inhibitors: In Silico, Synthesis and In Vitro Studies

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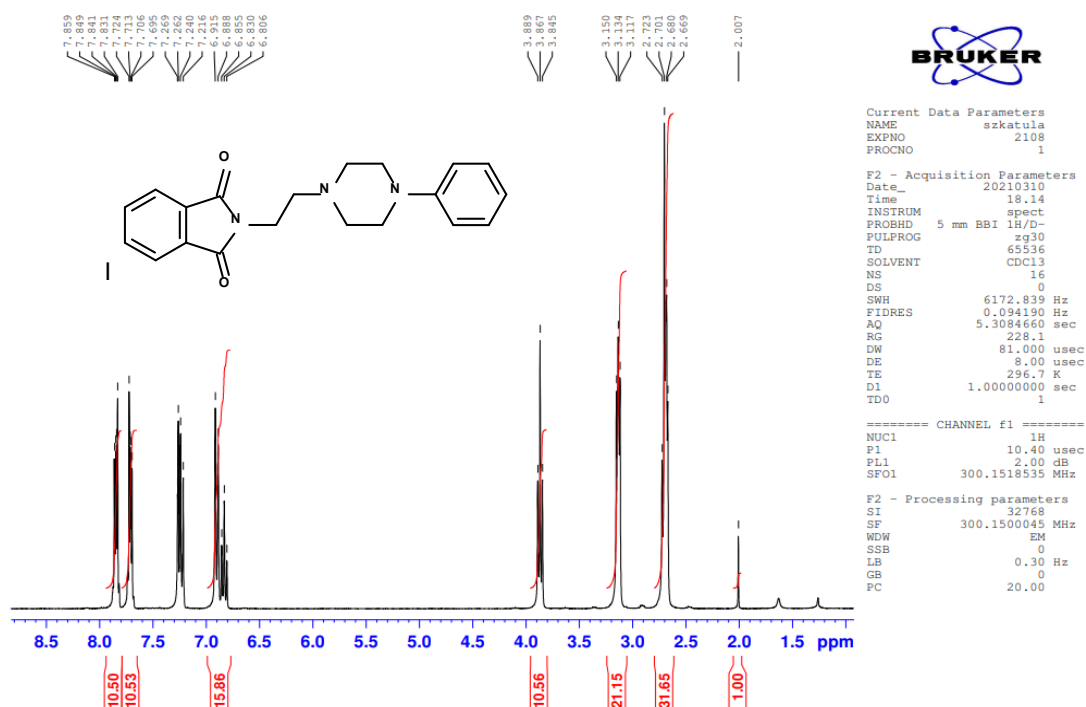


Figure S1: ¹H NMR spectrum of the compound I

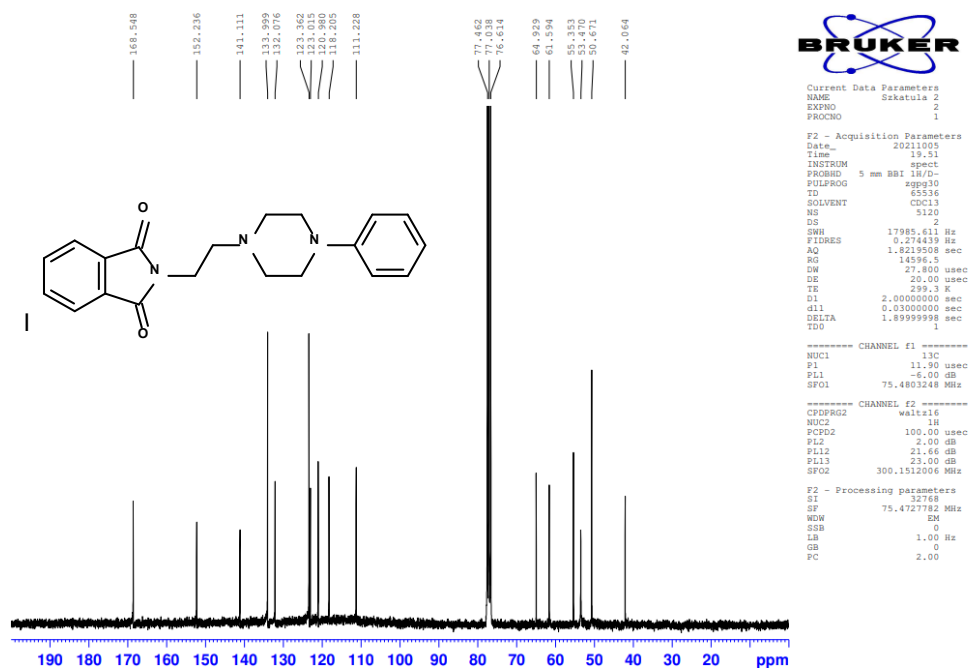


Figure S2: ^{13}C NMR spectrum of the compound I

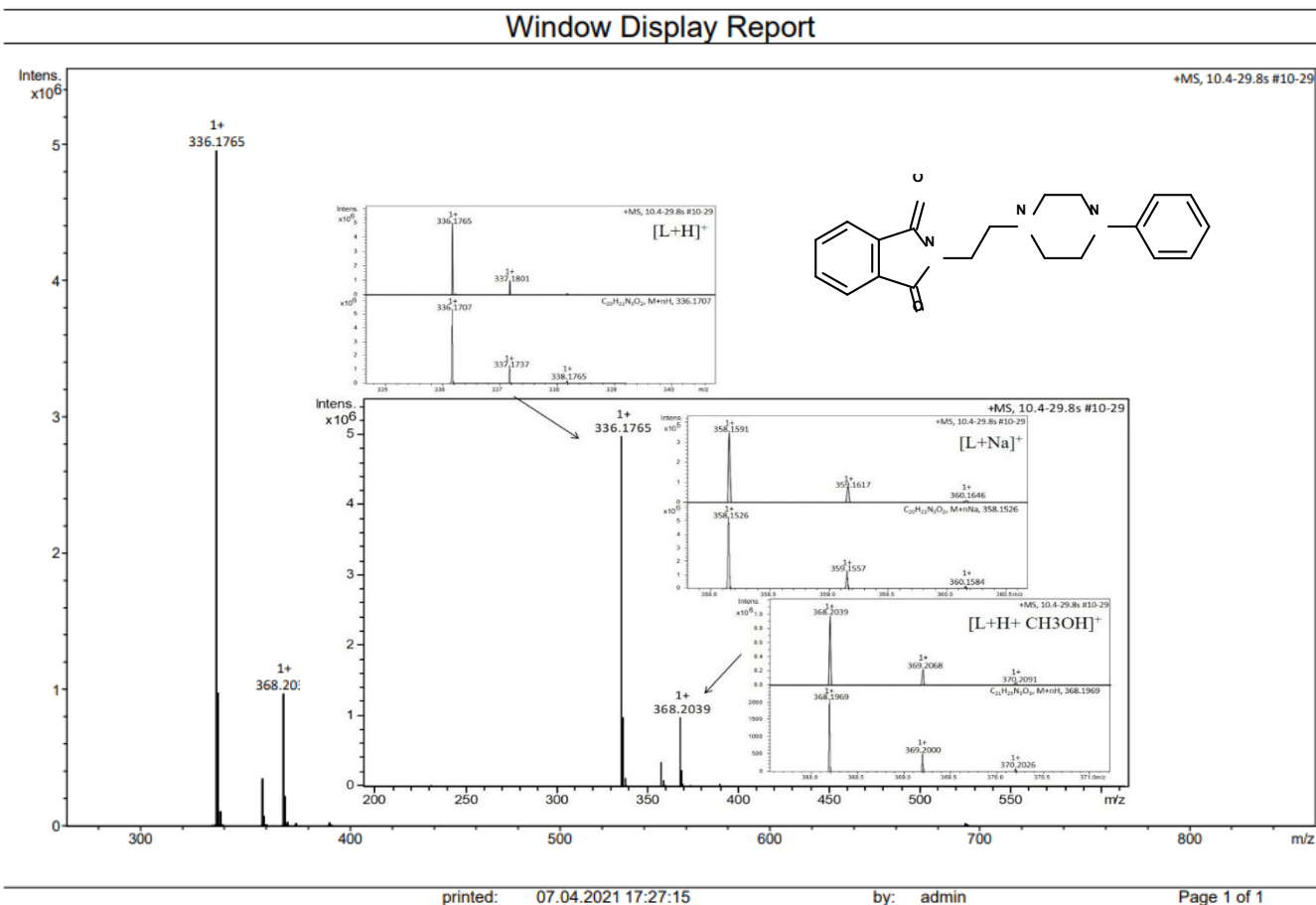


Figure S3: Mass spectrum of the compound I

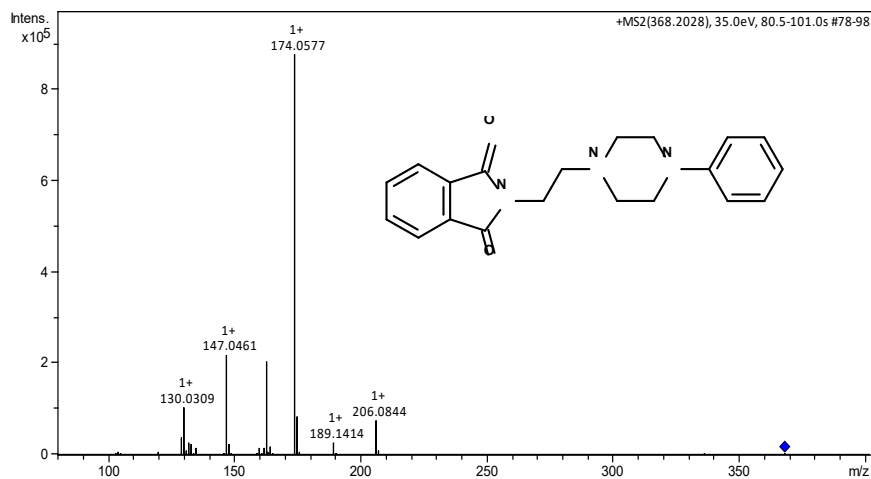


Figure S4: Mass spectrum of fragmentation the compound I

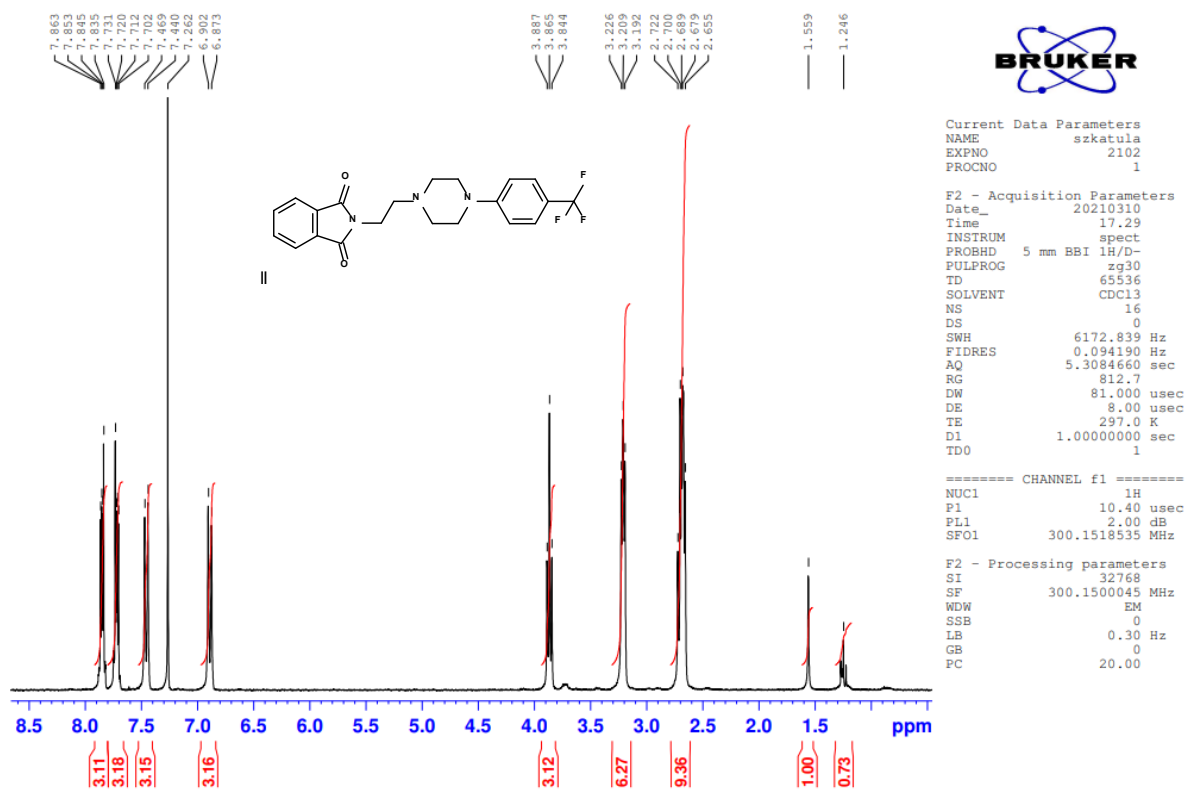
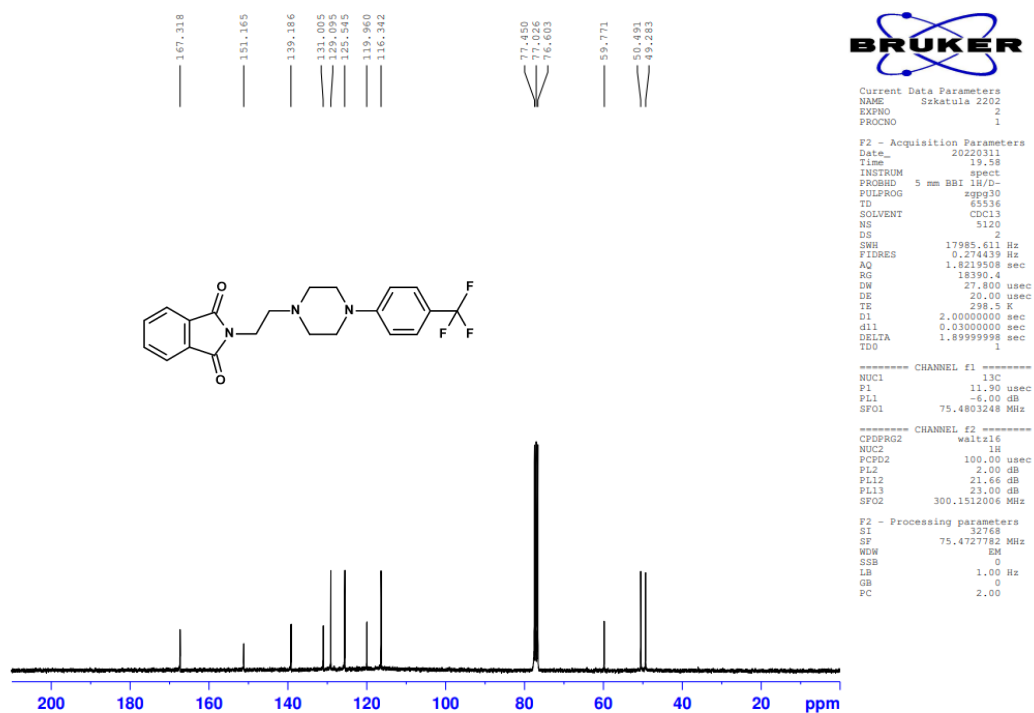


Figure S5: ¹H NMR spectrum of the compound II



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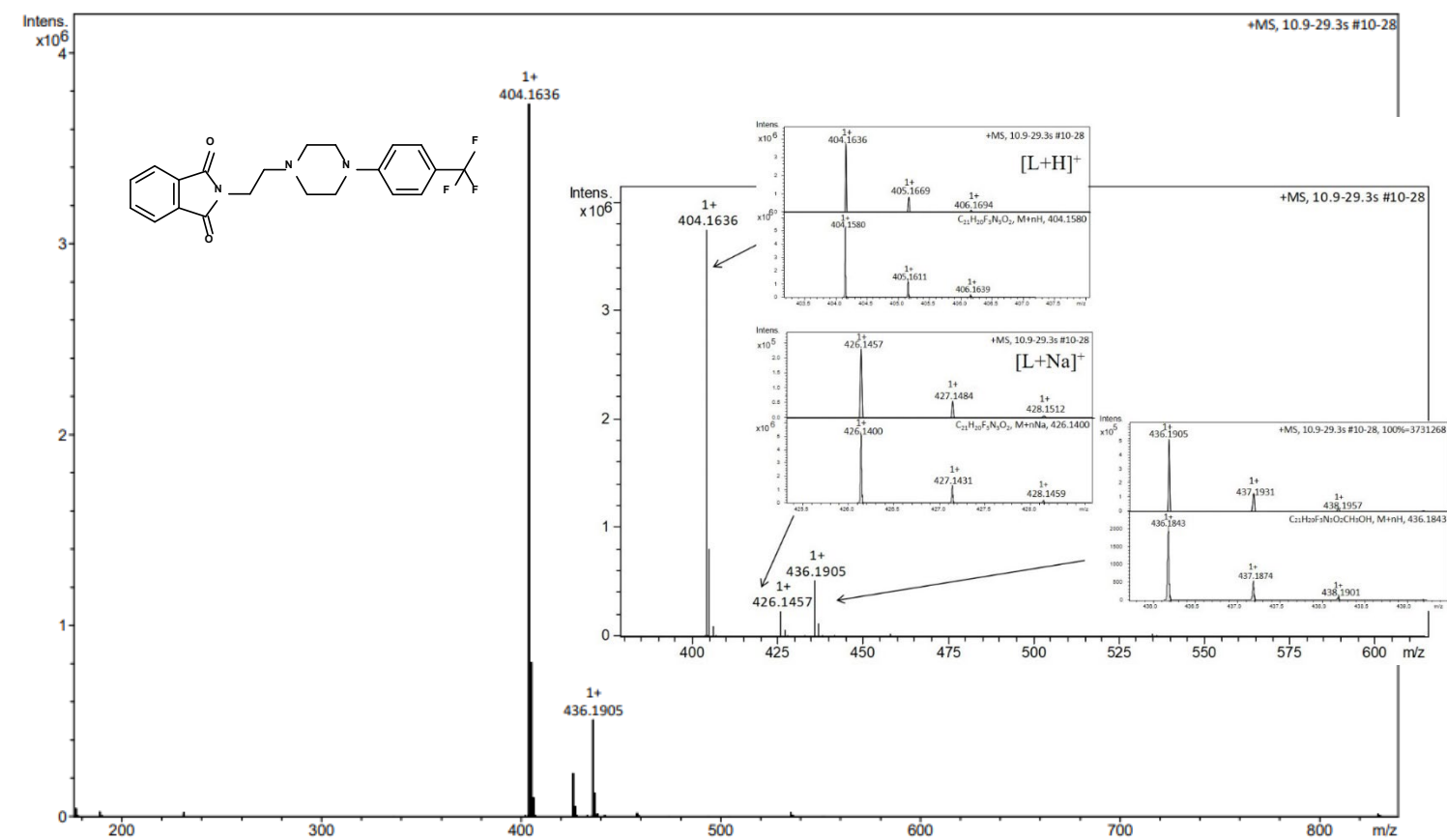
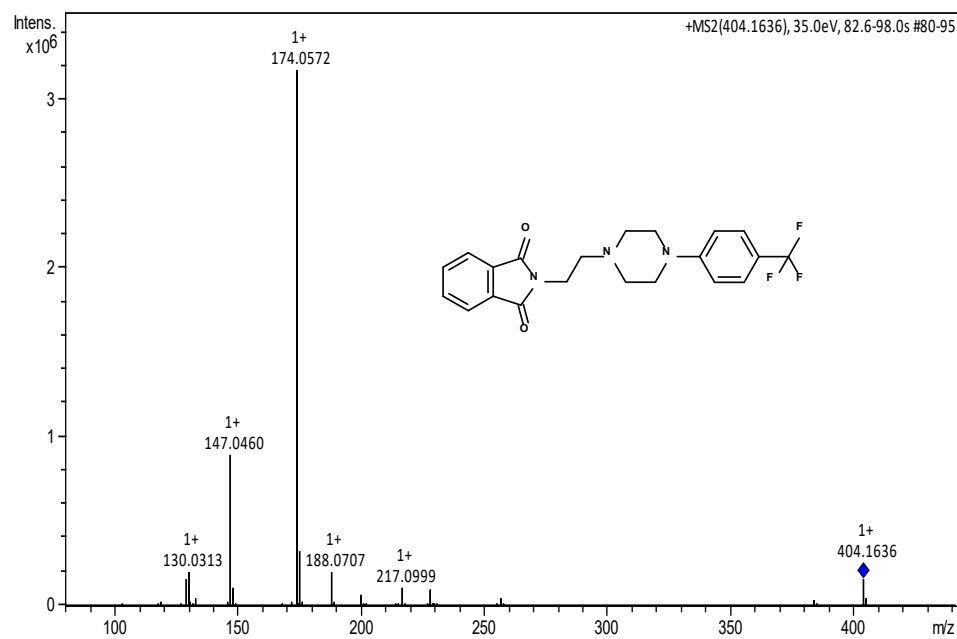


Figure S7: Mass spectrum of the compound II



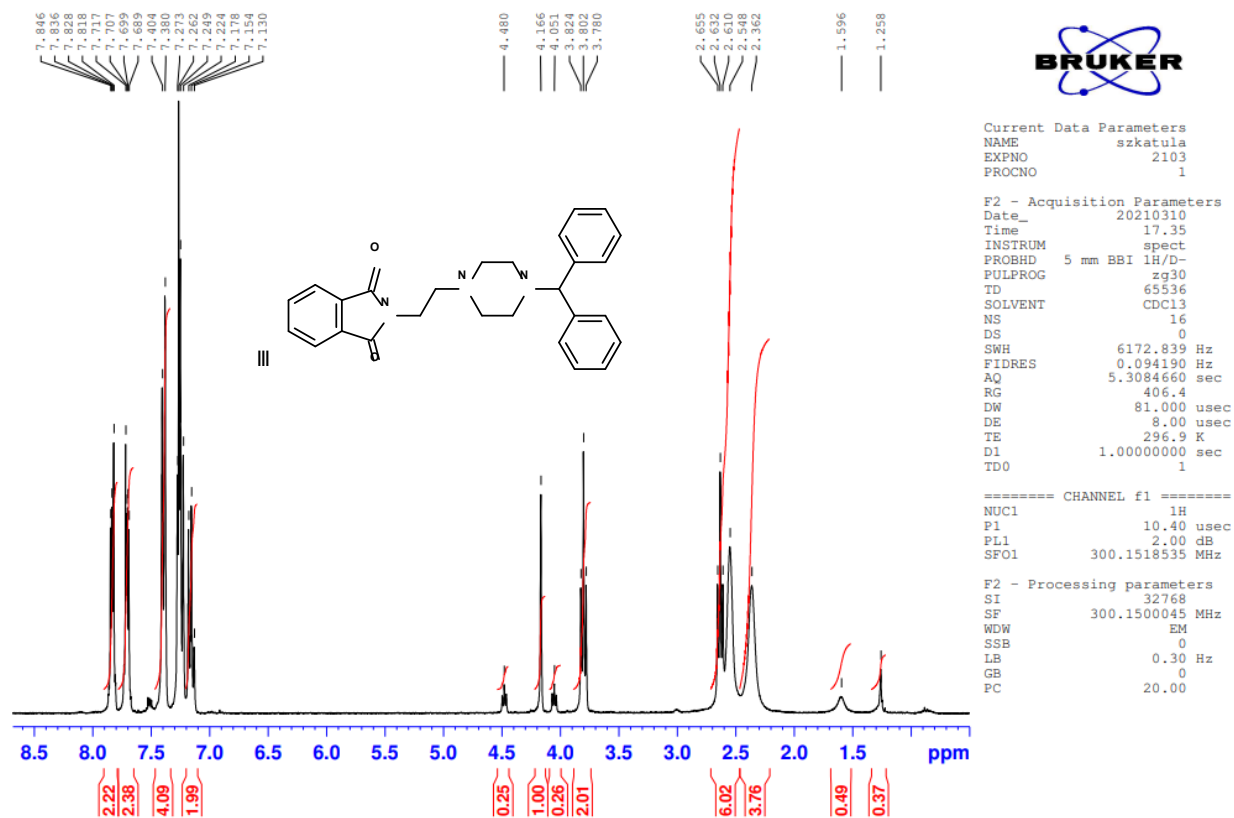
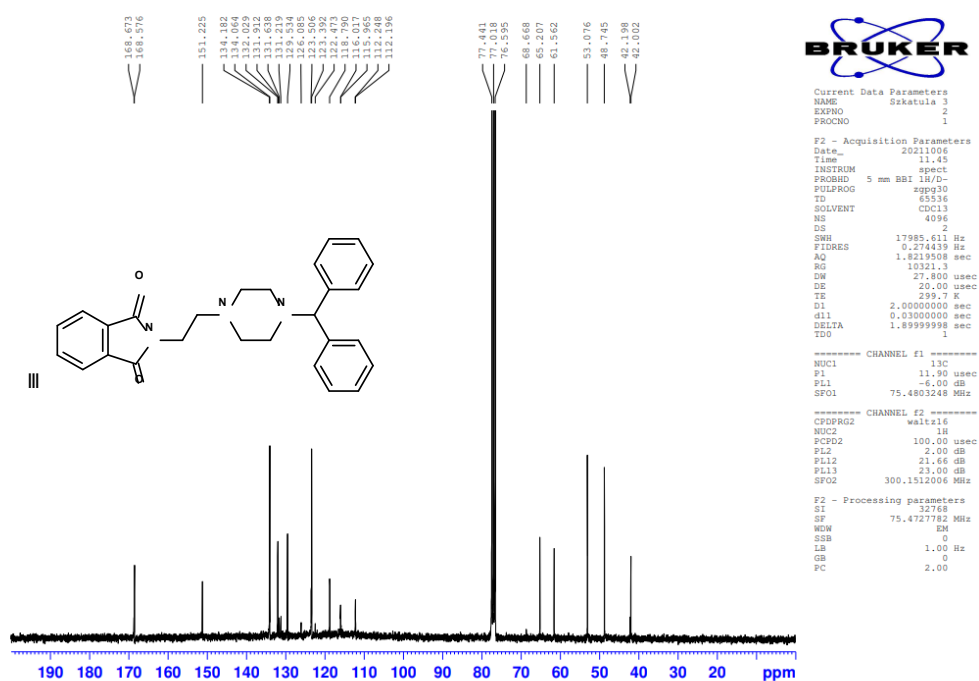
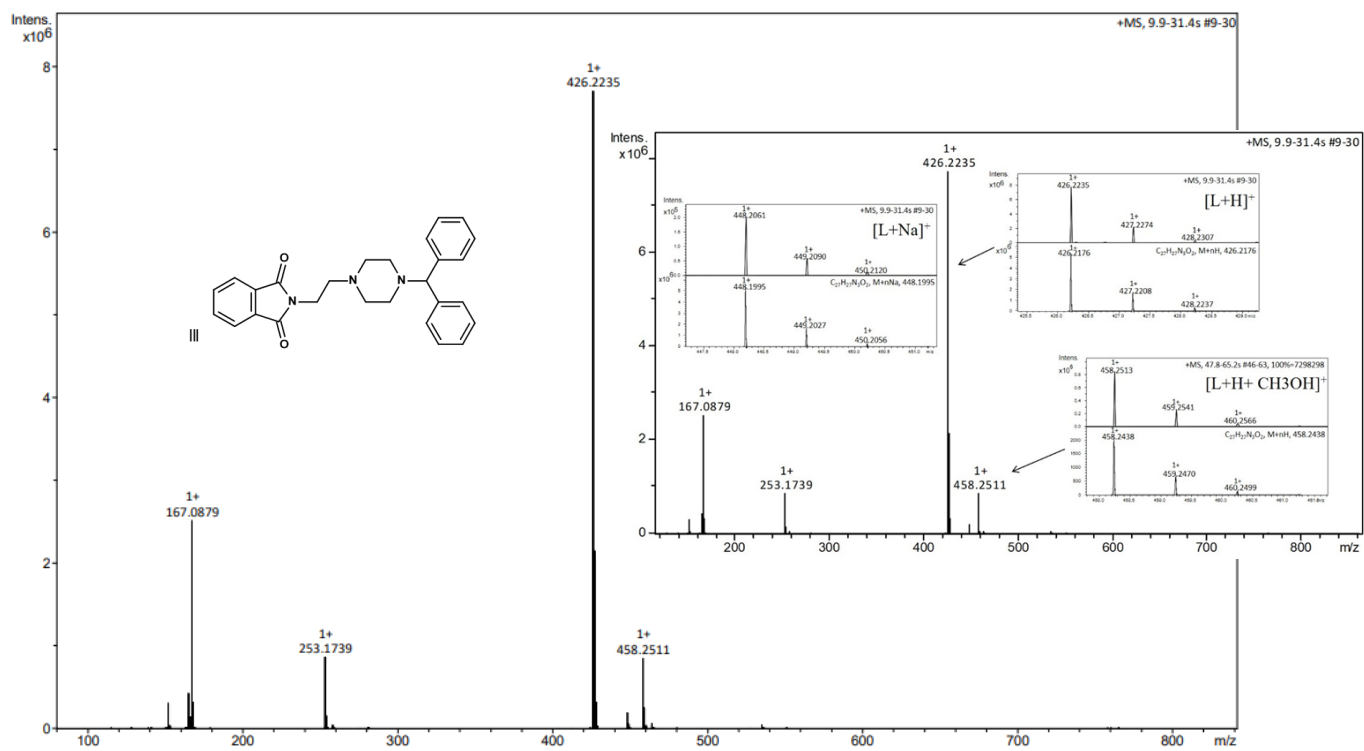


Figure S9: ¹H NMR spectrum of the compound III



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Figure S11: Mass spectrum of the compound III

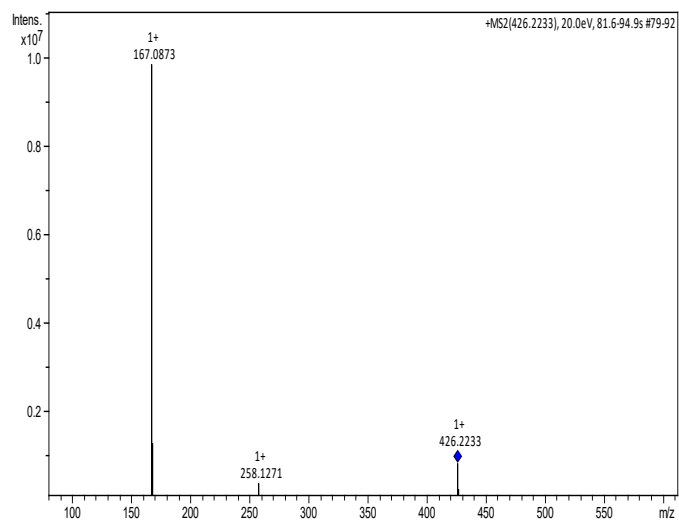


Figure S12: Mass spectrum of fragmentation of the compound III

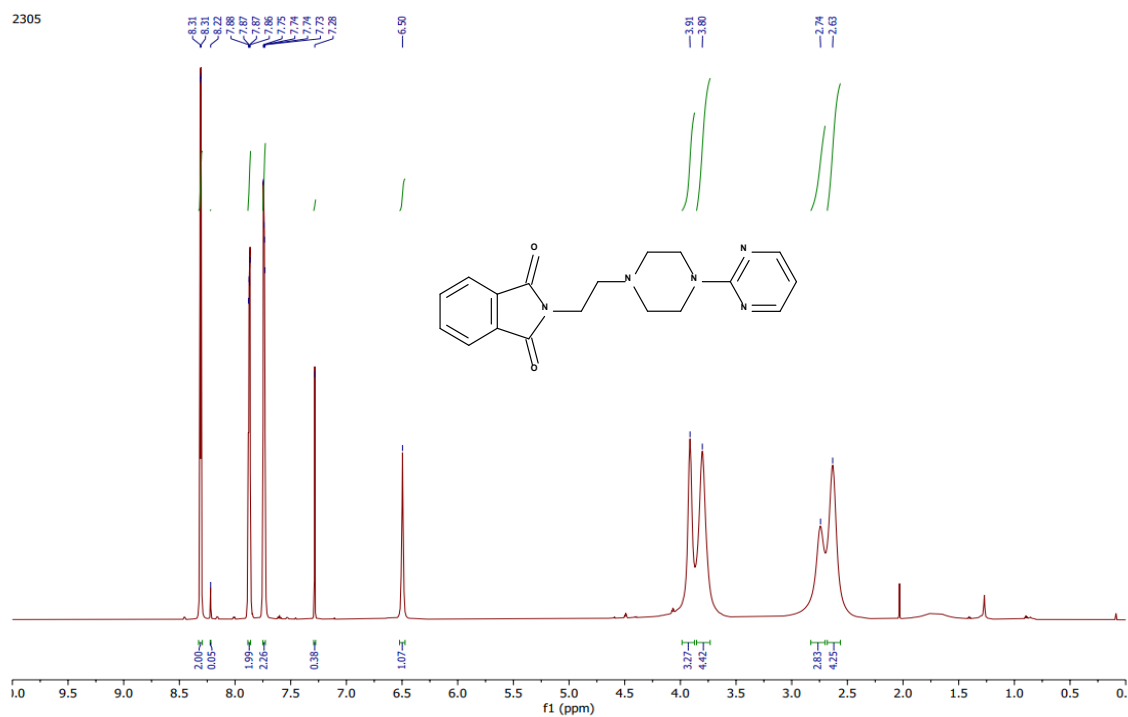
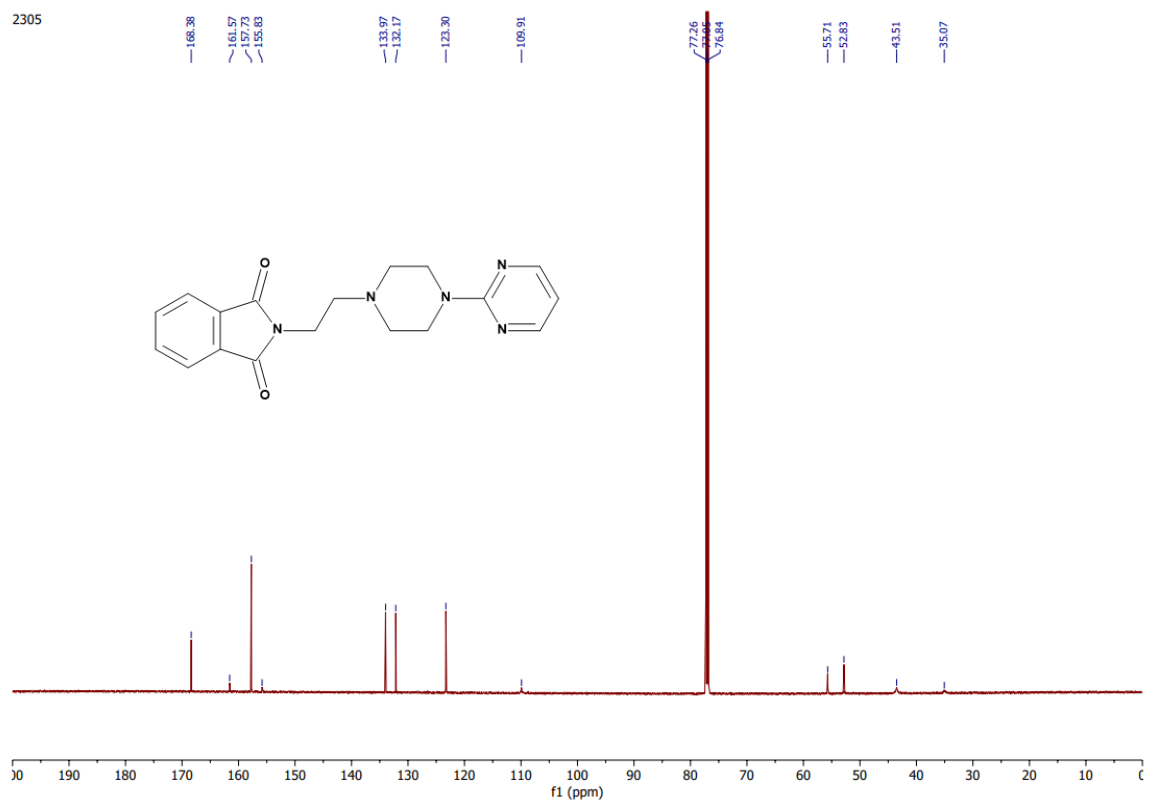


Figure S13: ^1H NMR spectrum of the compound IV



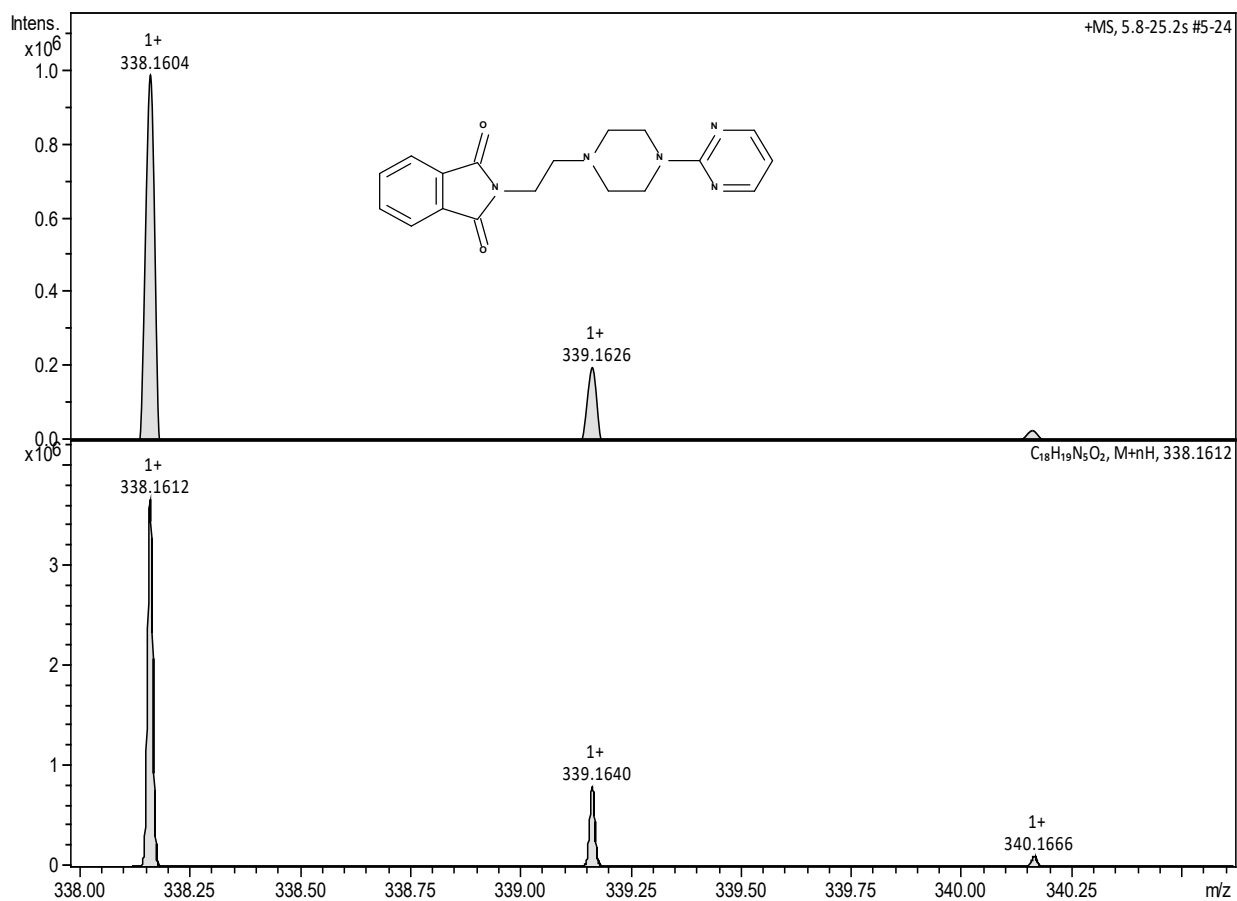
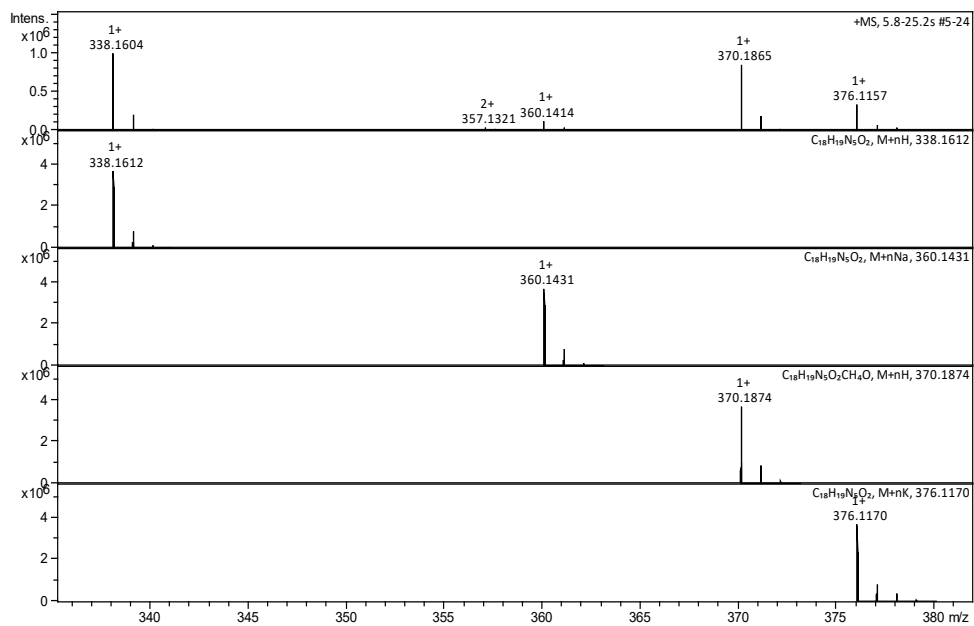


Figure S15: Mass spectrum of the compound IV



7.88
7.87
7.87
7.86
7.85
7.75
7.74
7.74
7.74
7.30
7.28

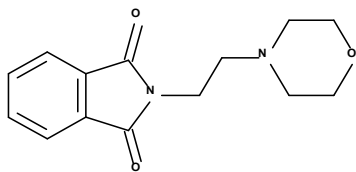


Figure S17: ^1H NMR spectrum of the compound V

—168, 39

—133, 97
—132, 16

—123, 28

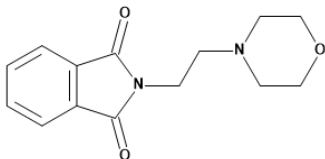


Figure S18: ^{13}C NMR spectrum of the compound V

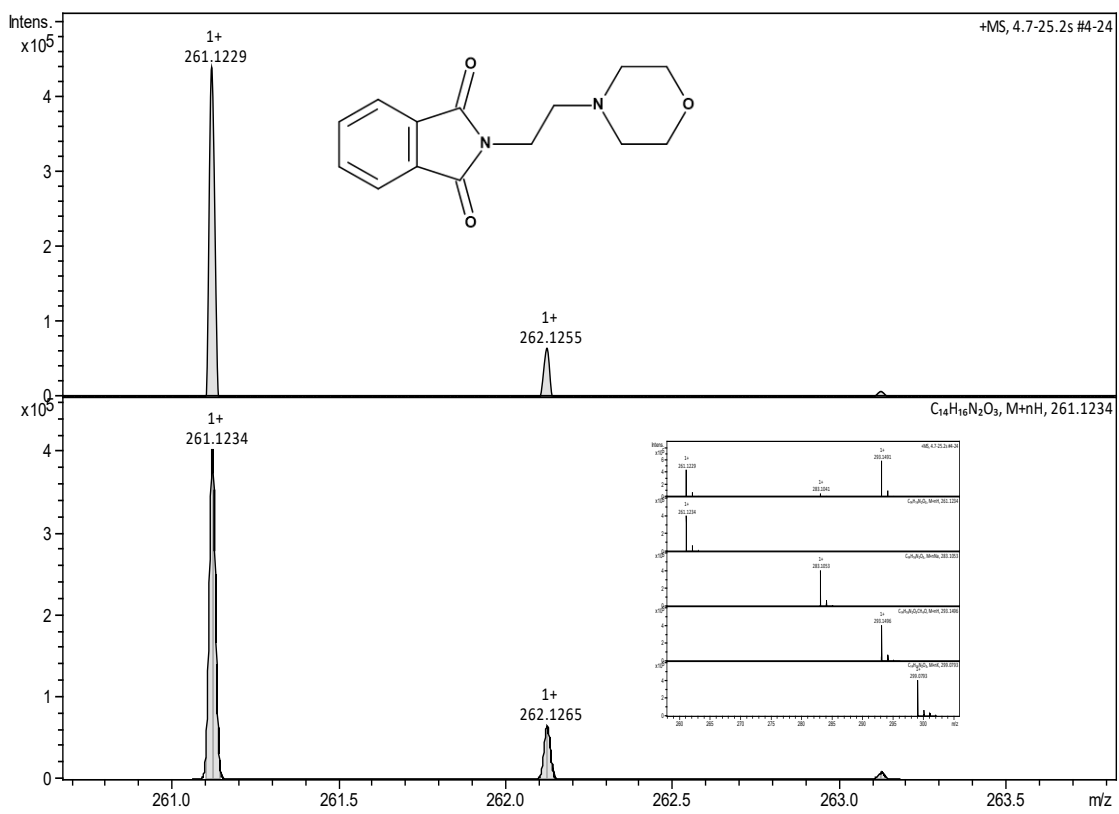


Figure S19: Mass spectrum of the compound V – method A.

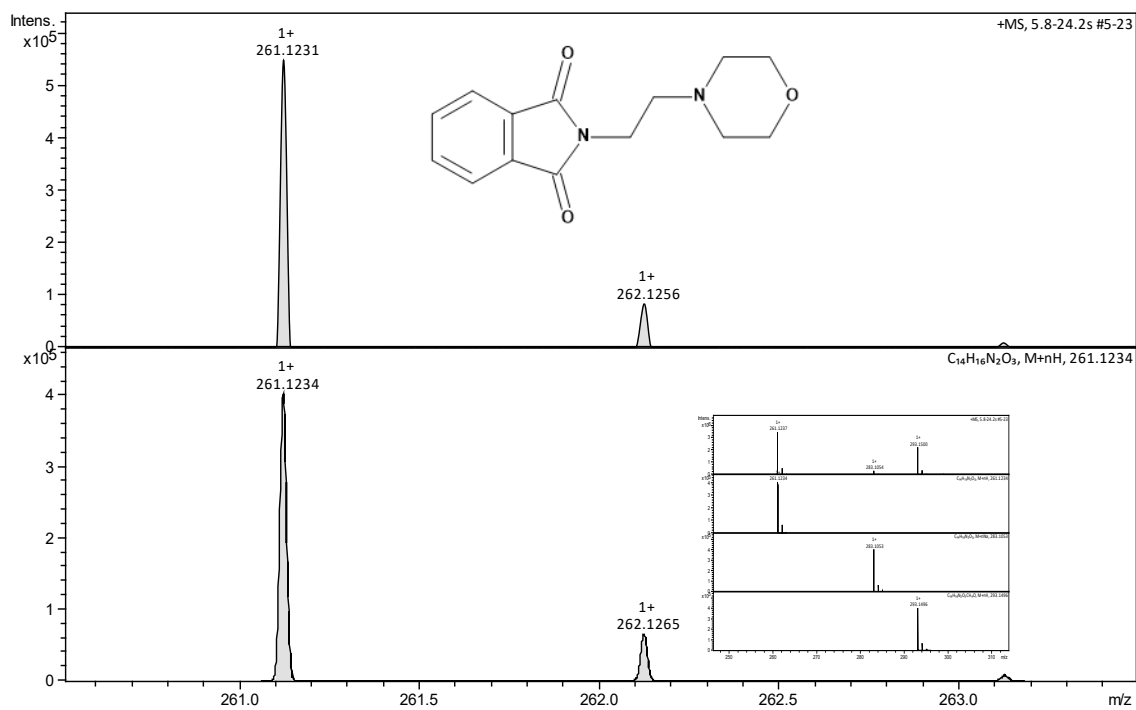


Figure S20: Mass spectrum of the compound V – method B.

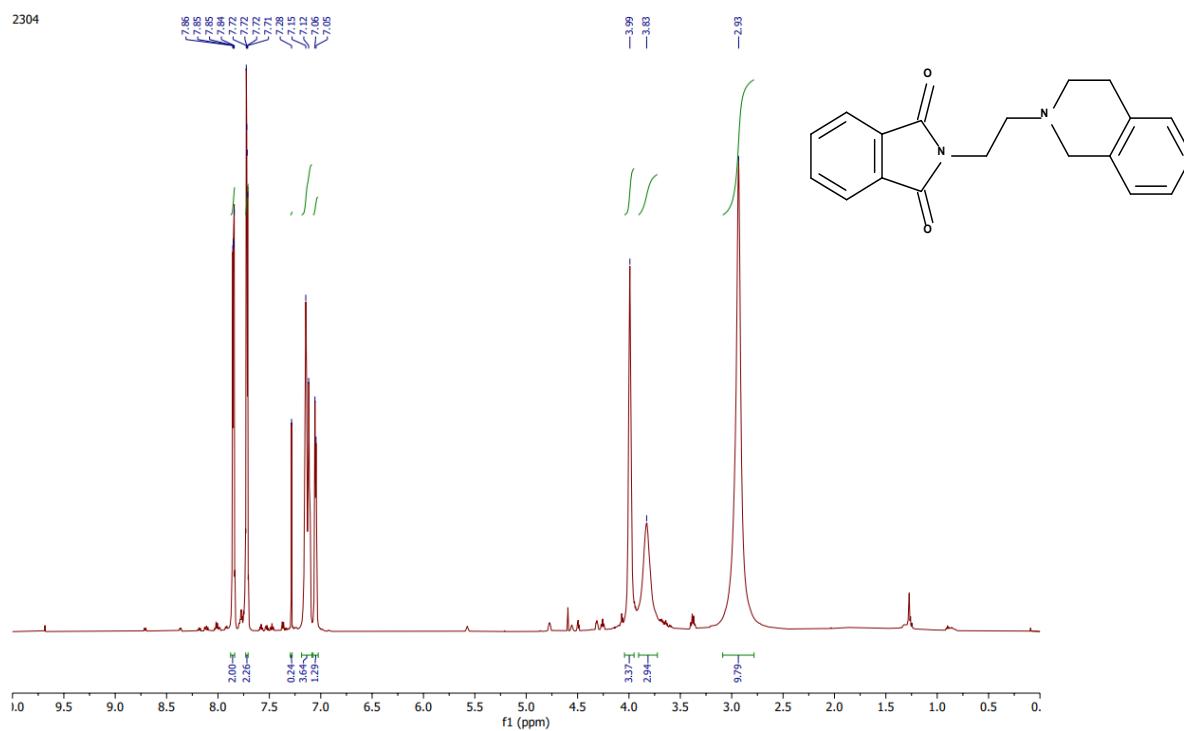
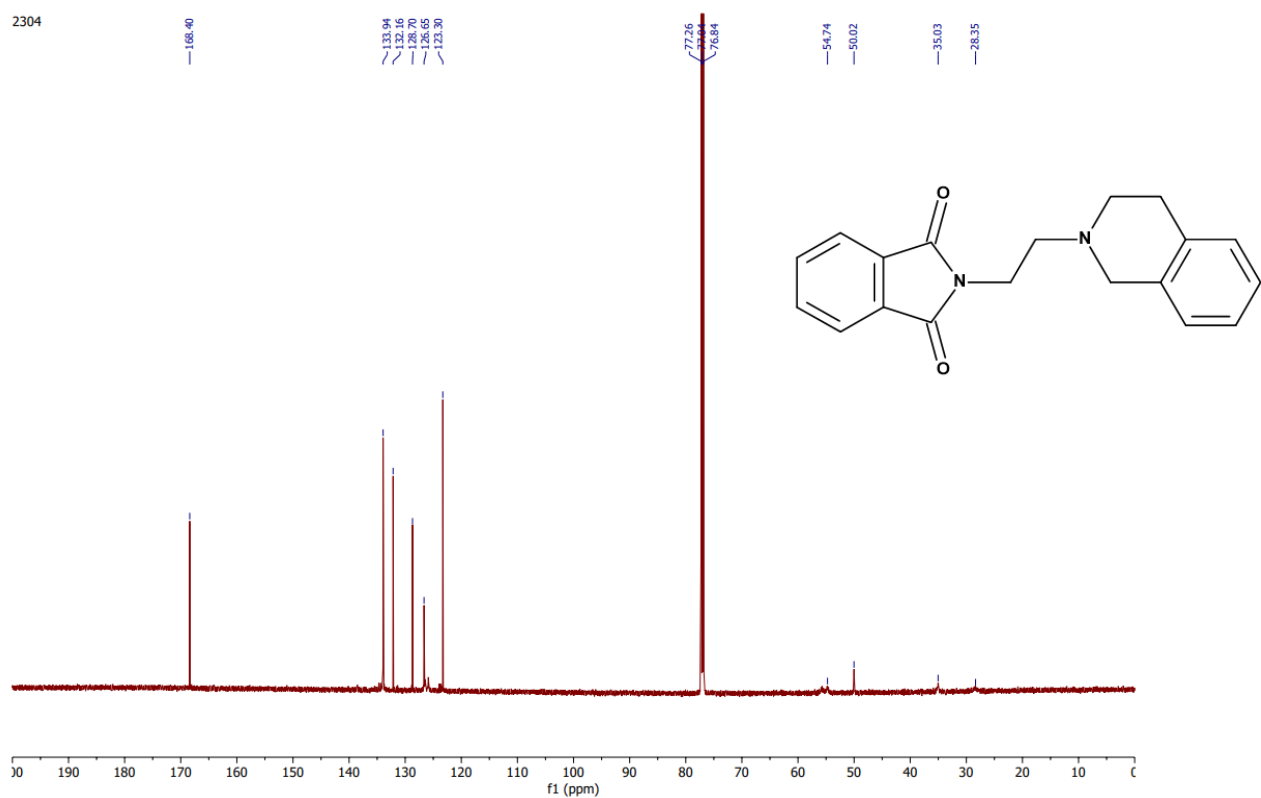


Figure S21: ^{13}C NMR spectrum of the compound VI



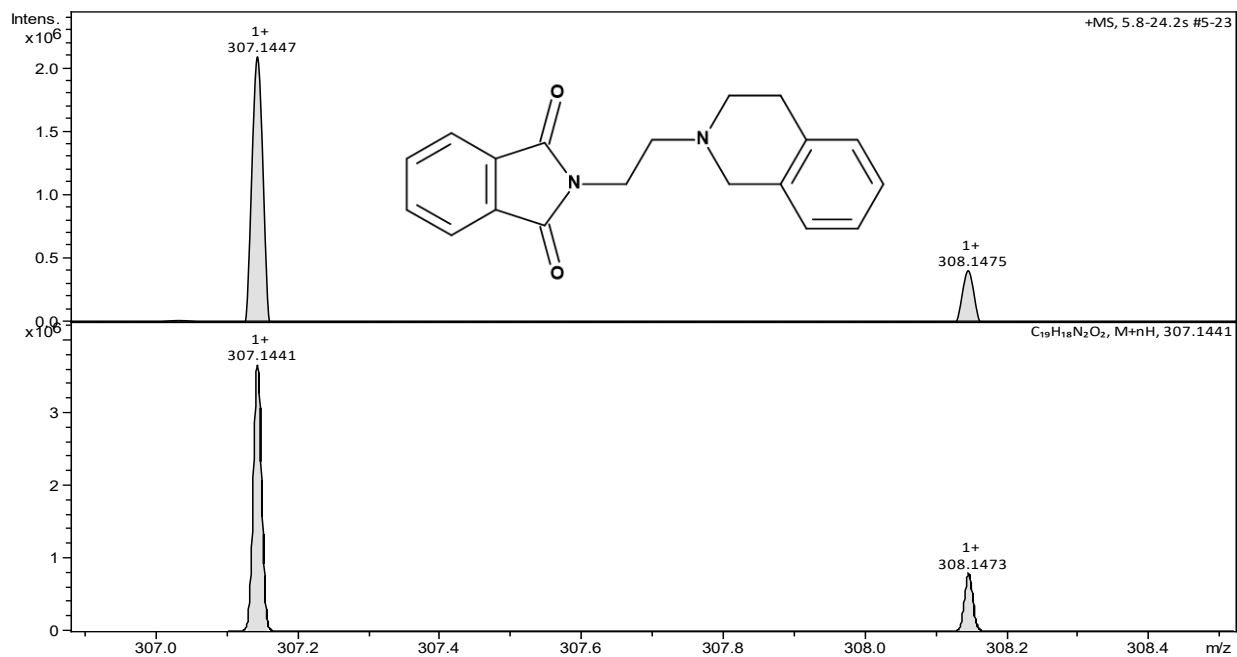


Figure S23: Mass spectrum of the compound VI.

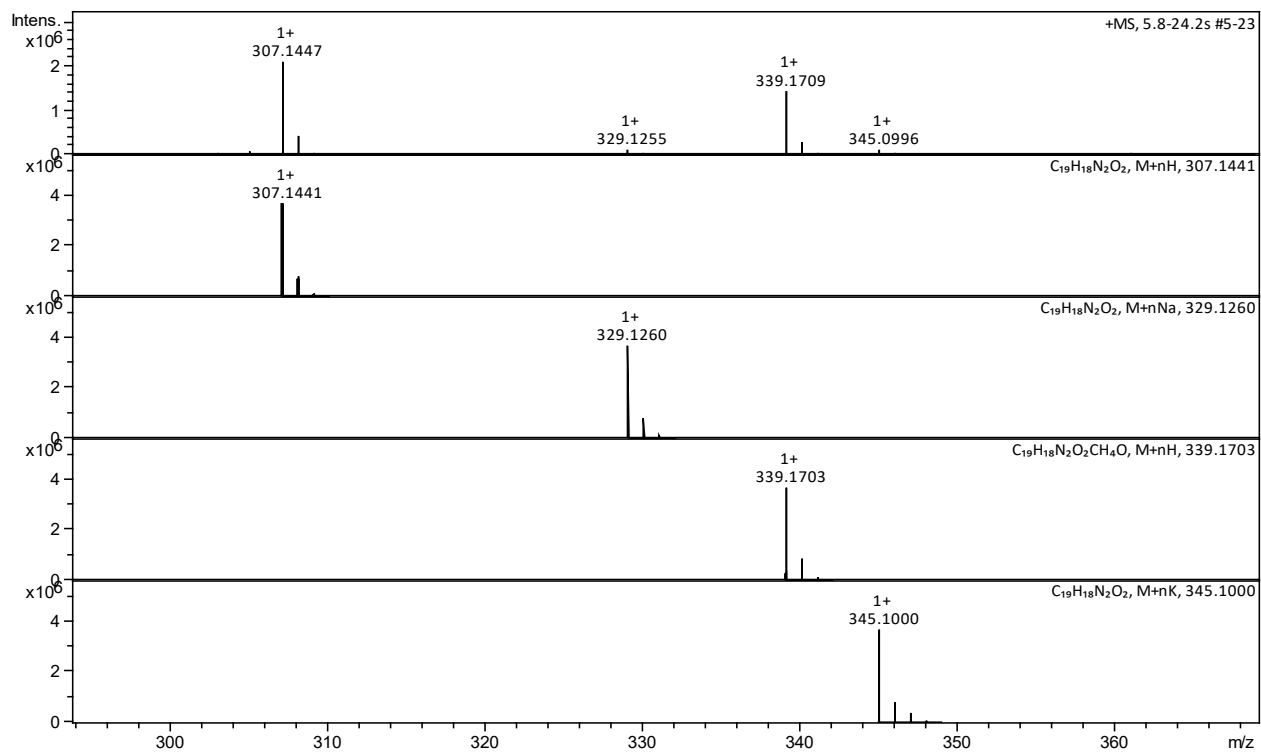


Figure S24: Mass spectrum of fragmentation of the compound VI.