

Supporting Information

Total Synthesis of (±)-Decursivine via BINOL-Phosphoric Acid Catalyzed Tandem Oxidative Cyclization

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¹H and ¹³C NMR Spectra

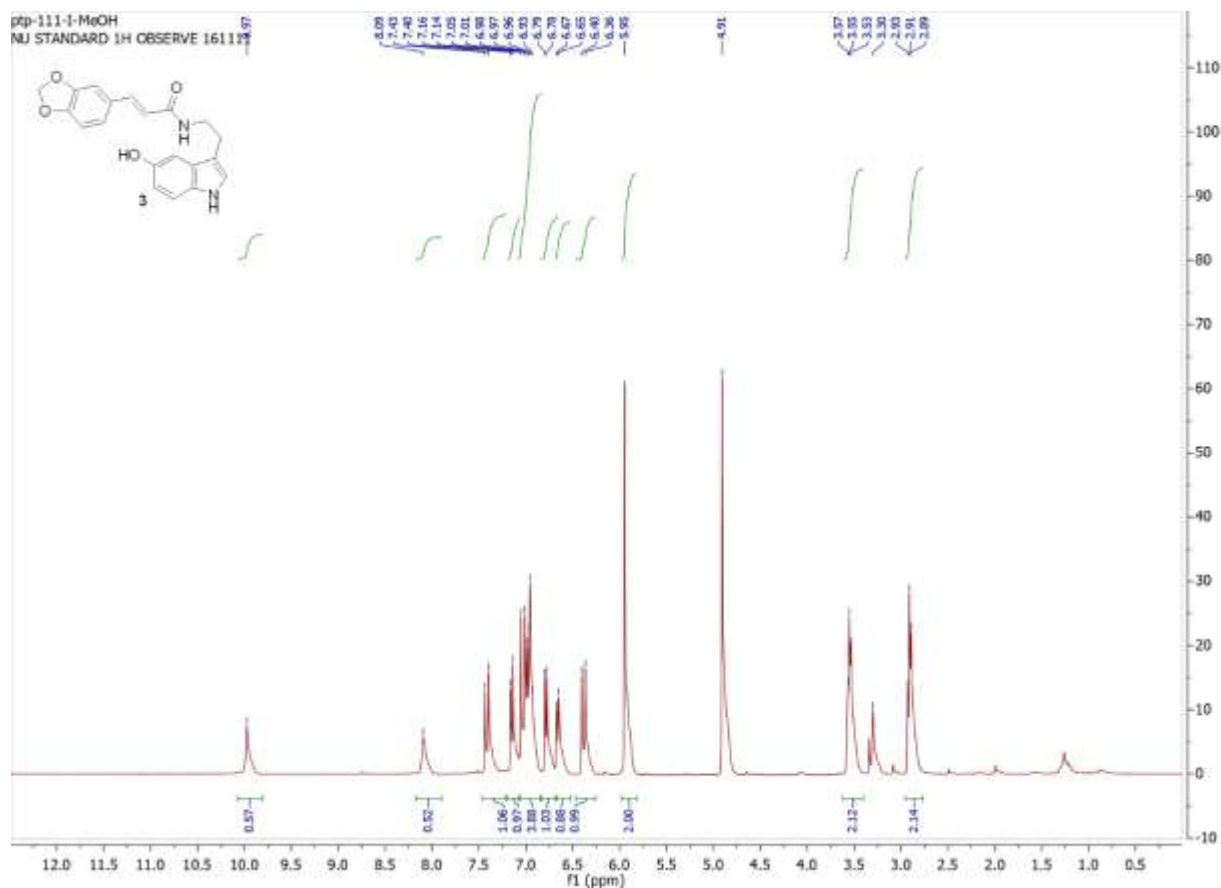


Figure S1: ¹H NMR spectrum of Compound 3.

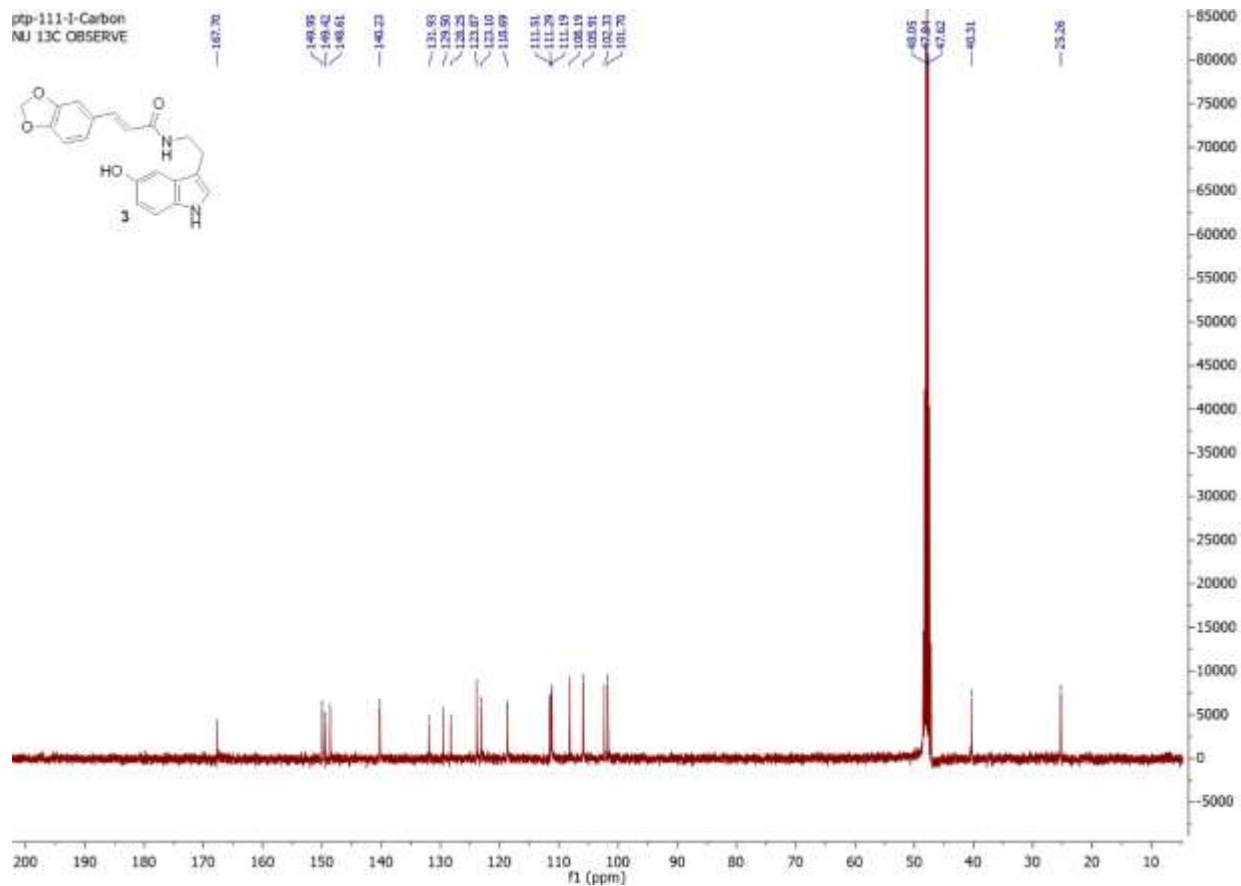


Figure S2: ^{13}C NMR spectrum of Compound 3.

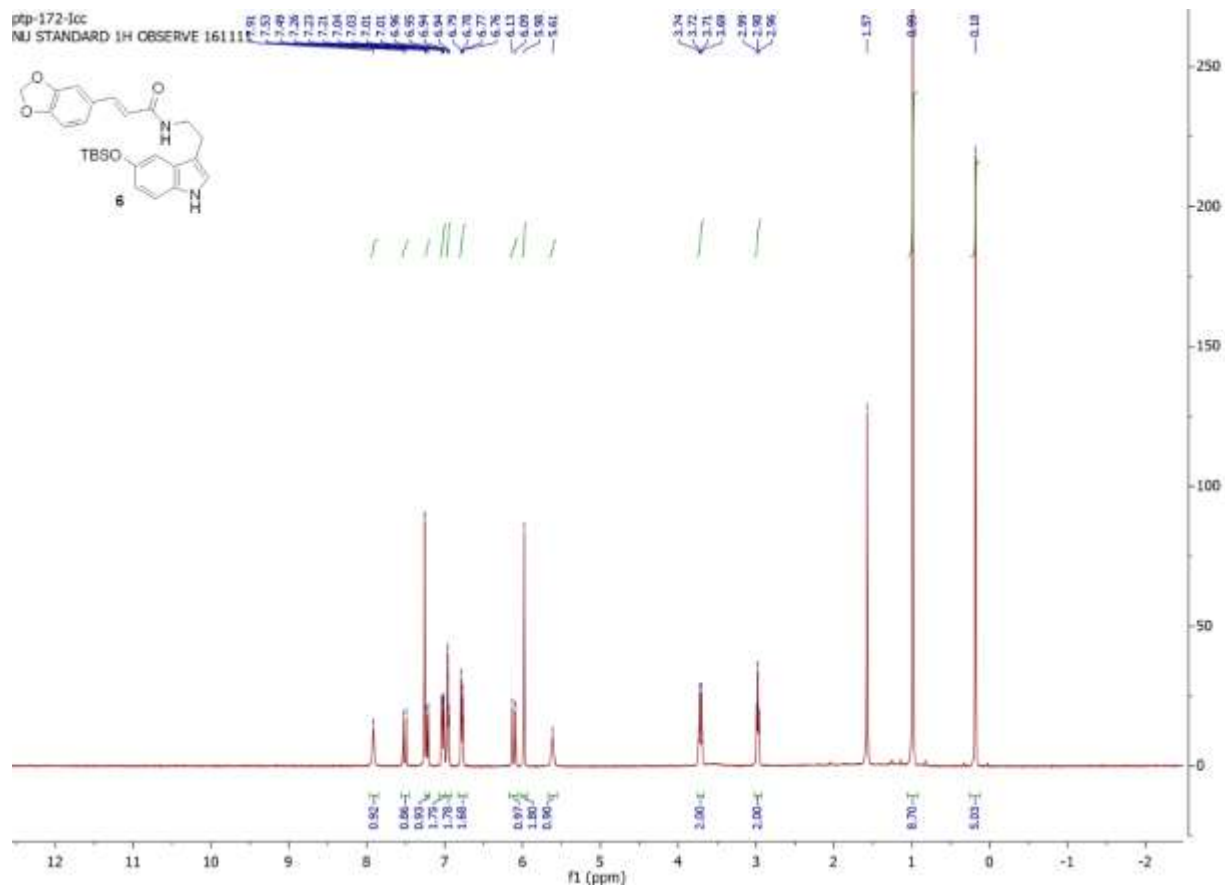


Figure S3: ¹H NMR spectrum of Compound 6.

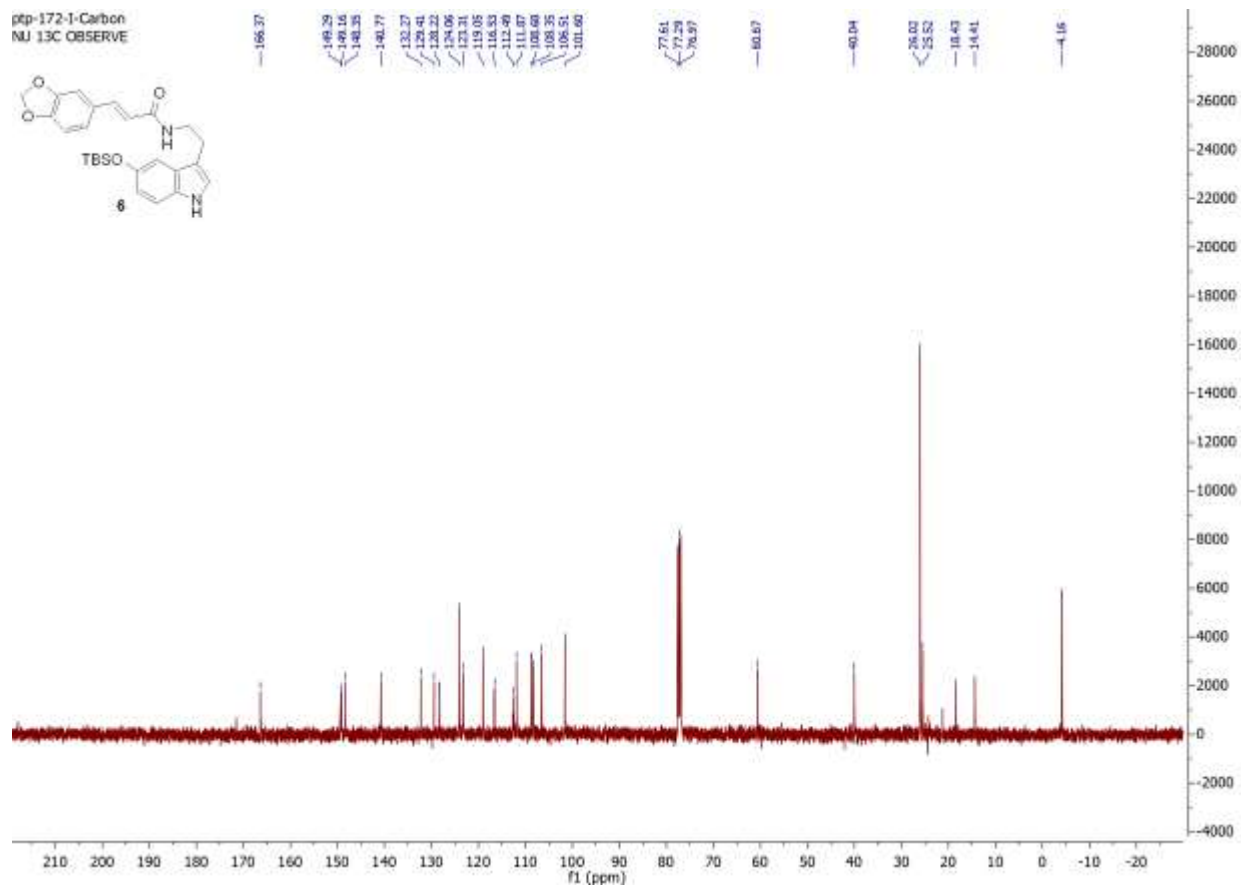


Figure S4: ^{13}C NMR spectrum of Compound 6.

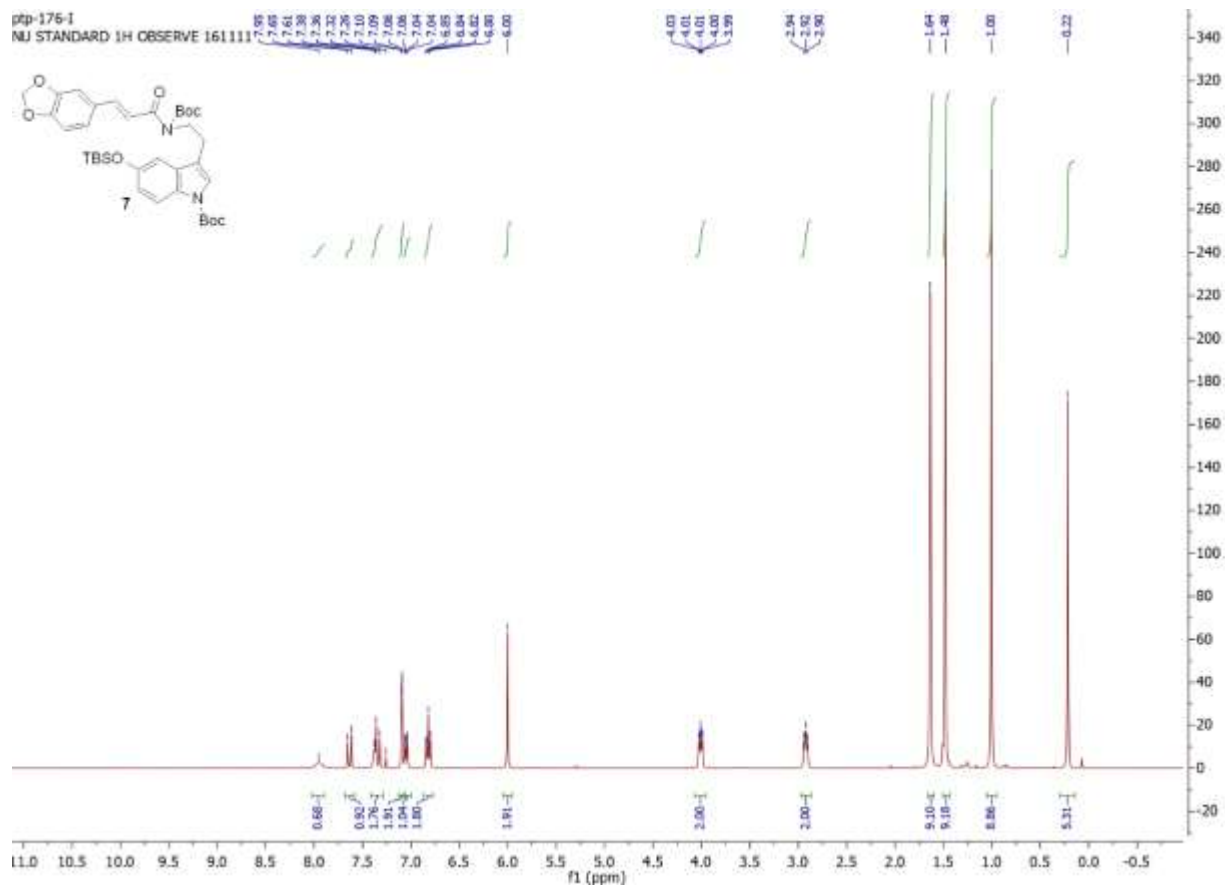


Figure S5: ¹H NMR spectrum of Compound 7.

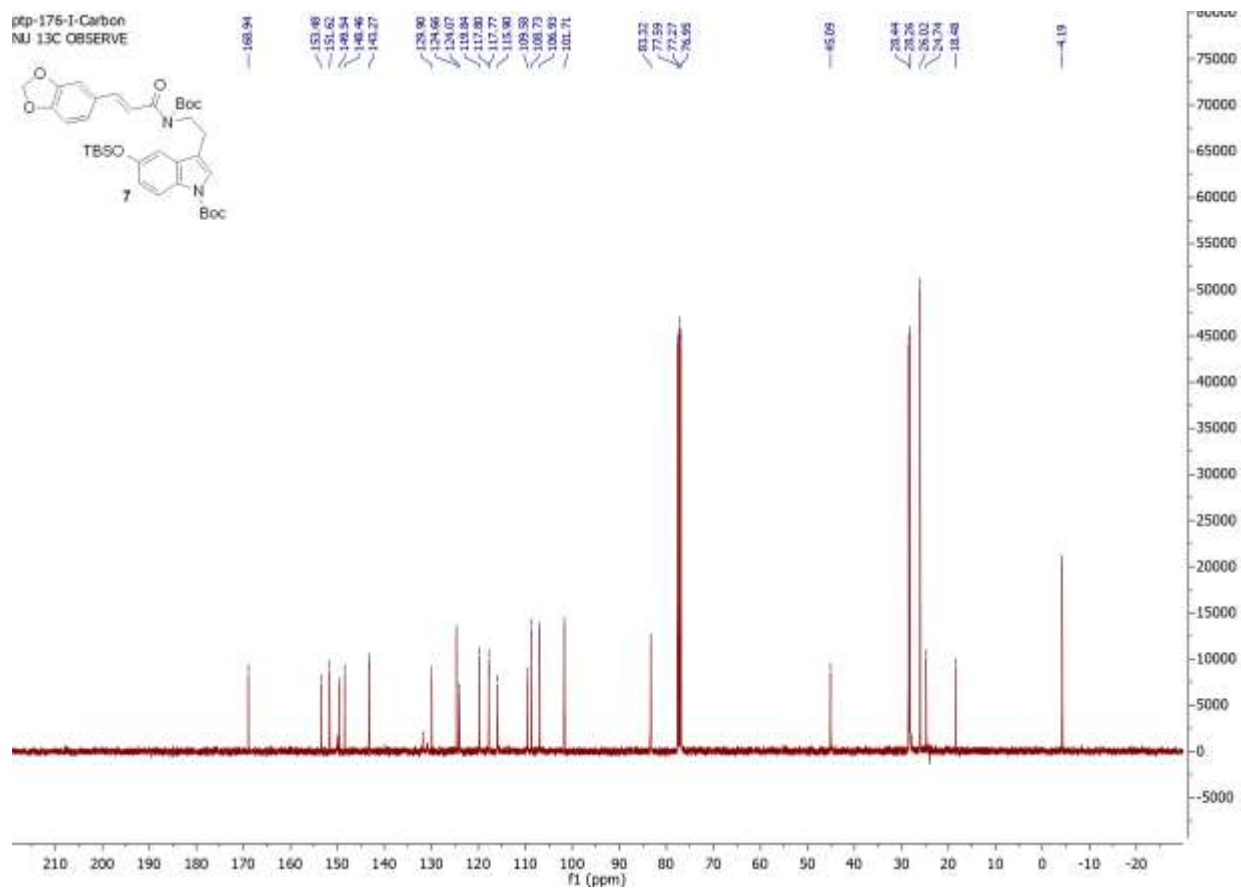


Figure S6: ^{13}C NMR spectrum of Compound 7.

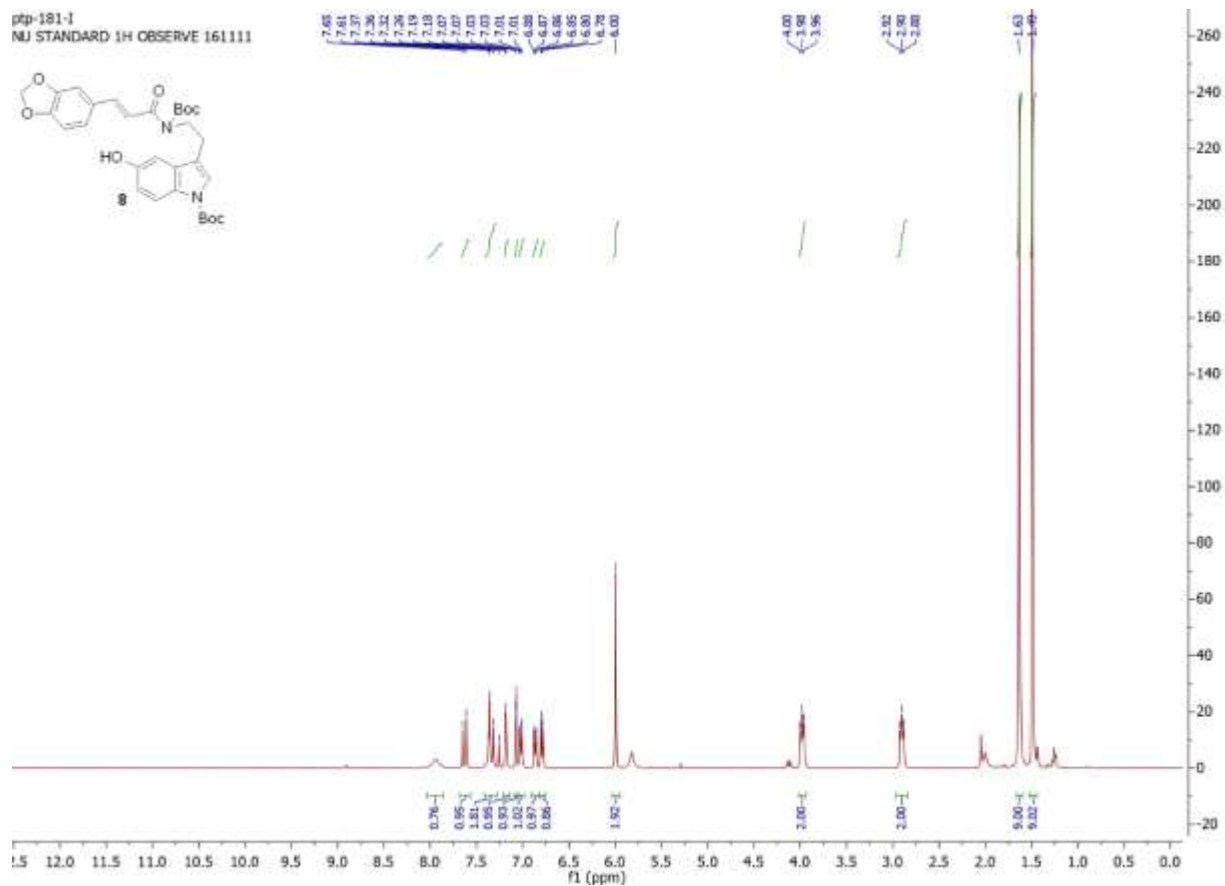


Figure S7: ¹H NMR spectrum of Compound 8.

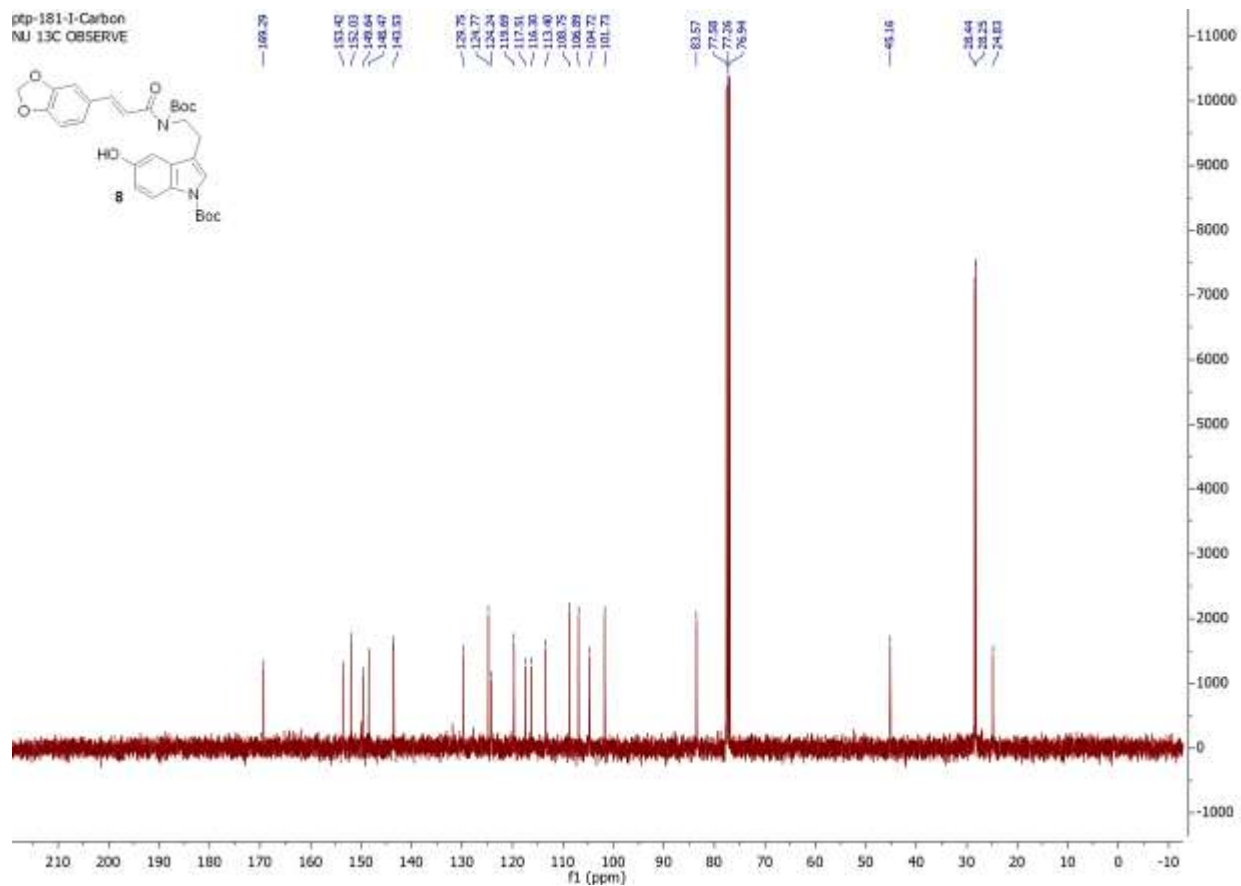


Figure S8: ^{13}C NMR spectrum of Compound 8.

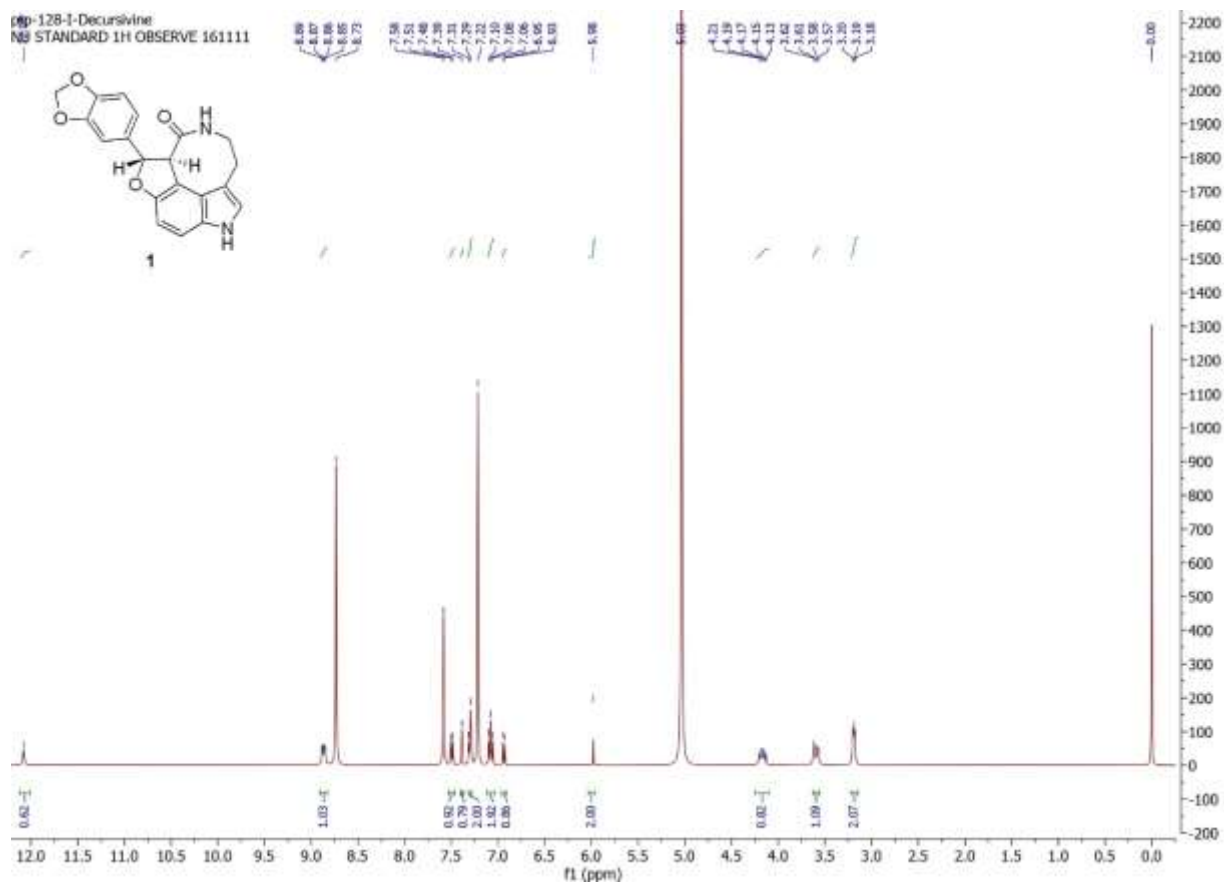


Figure S9: ¹H NMR spectrum of Compound 1.

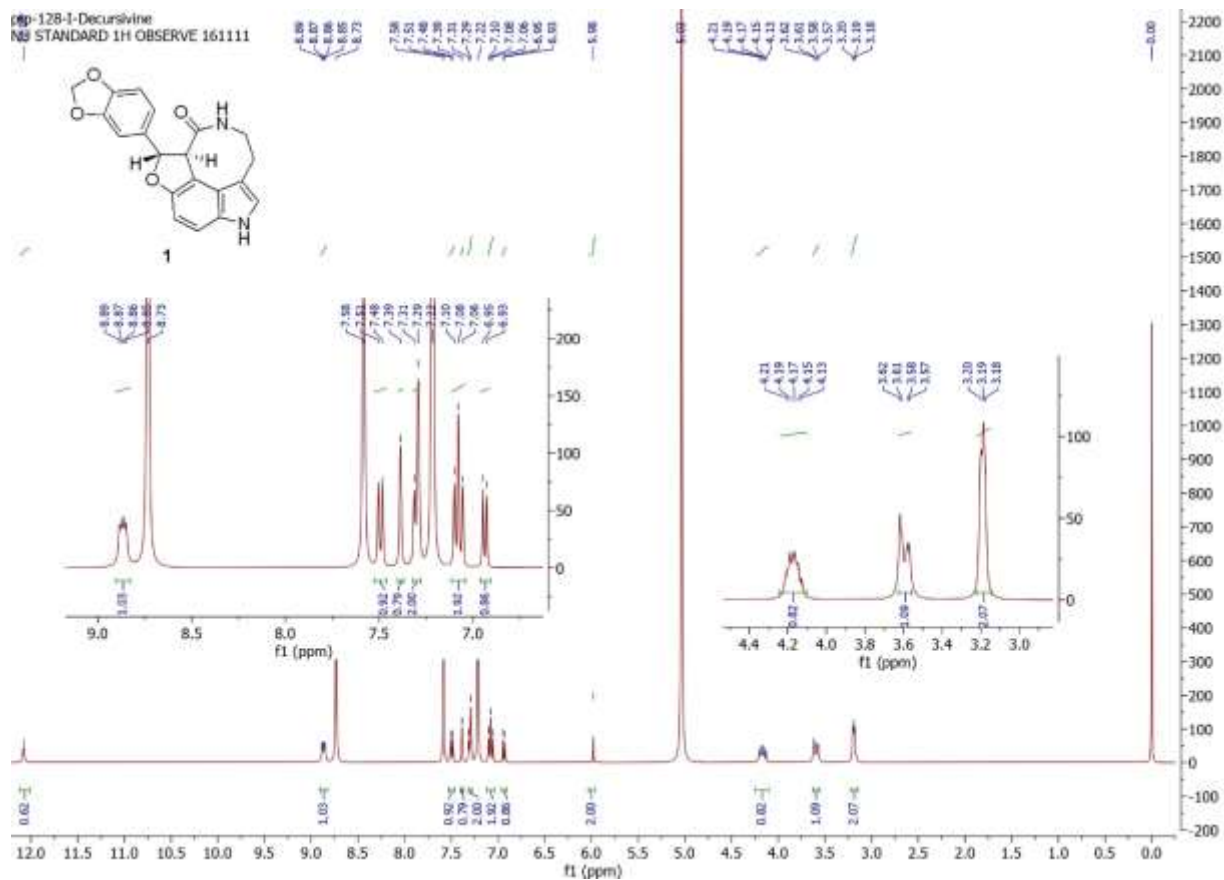


Figure S10: ^1H NMR spectrum of Compound 1 with expanded regions.

HPLC Analysis of Compound 1:

Lux 5 μ m Cellulose-4 chiral column, eluent: H₂O/MeOH (90/10 \rightarrow 10/90 over 15 min), flow rate: 1 mL/min, 25 $^{\circ}$ C, λ = 280 nm. Compound 1 is racemic containing a pair of enantiomers, t = 8.11 min (one enantiomer) and t = 10.91 min (other enantiomer).

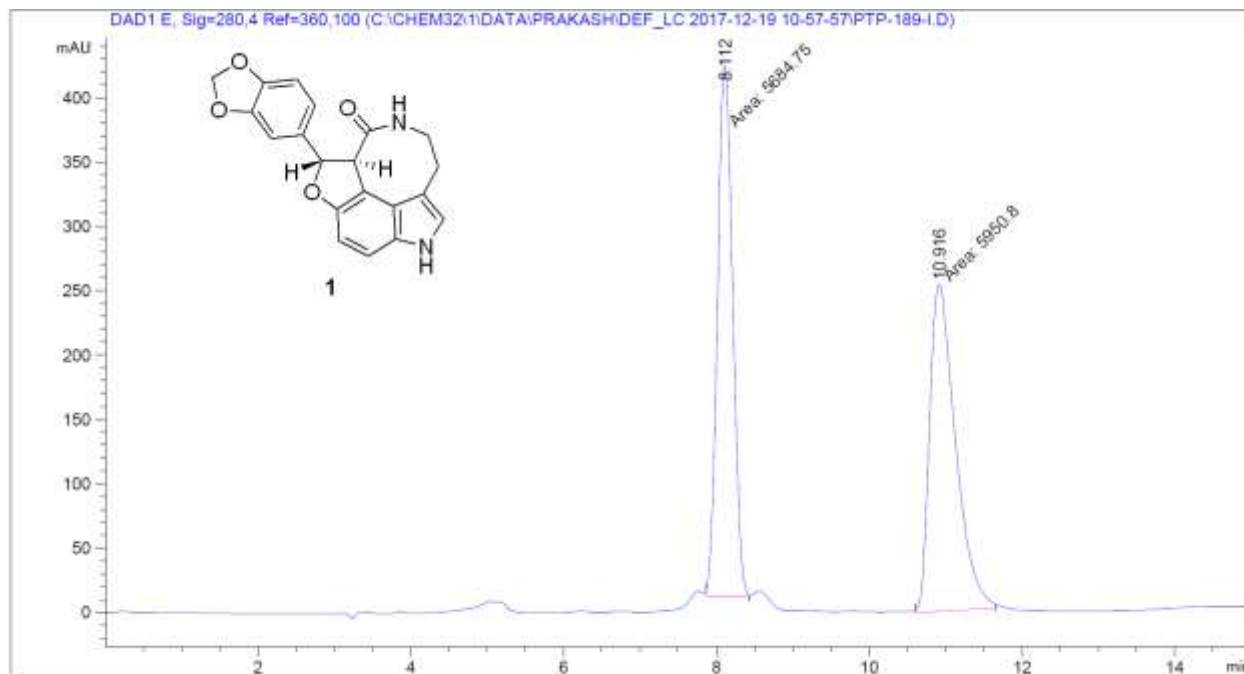


Figure S11: HPLC spectrum of Compound 1.