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Supporting information

Therapeutic Potential of Ramalin Derivatives with Enhanced Stability in the Treatment of Alzheimer's Disease

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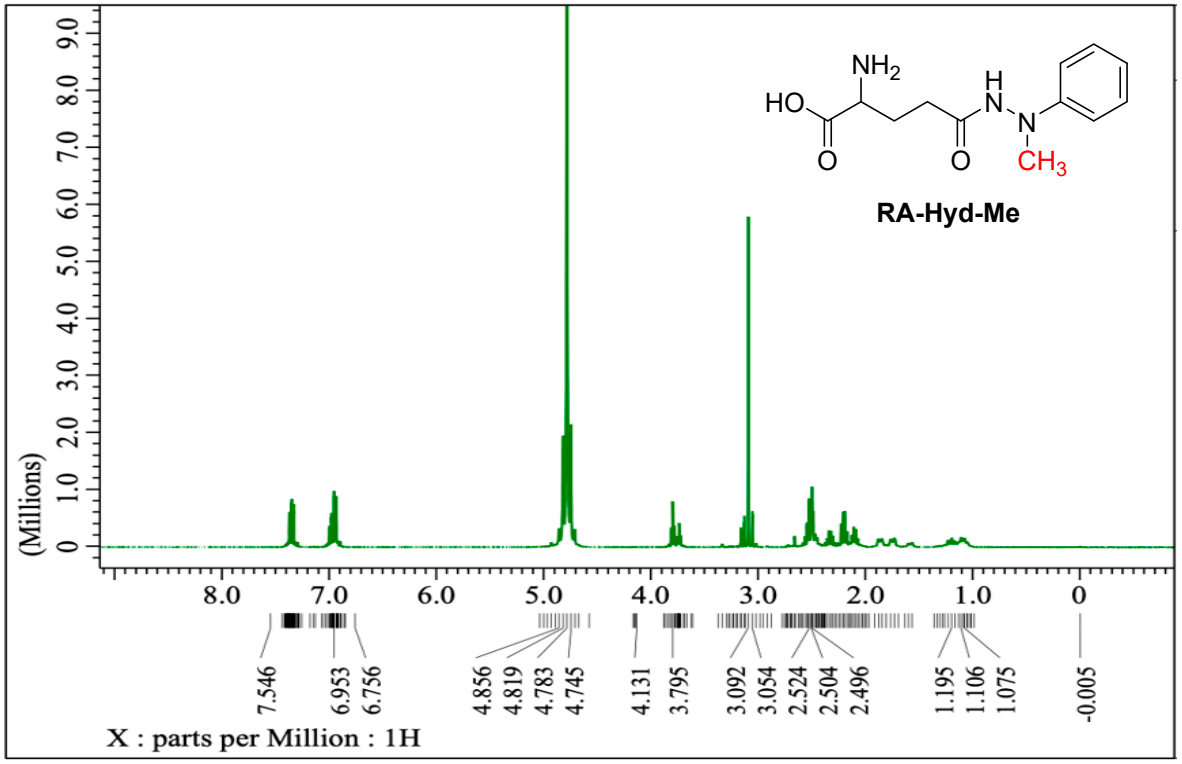


Figure S1: [1]H NMR (400 MHz) spectrum of **RA-Hyd-Me**

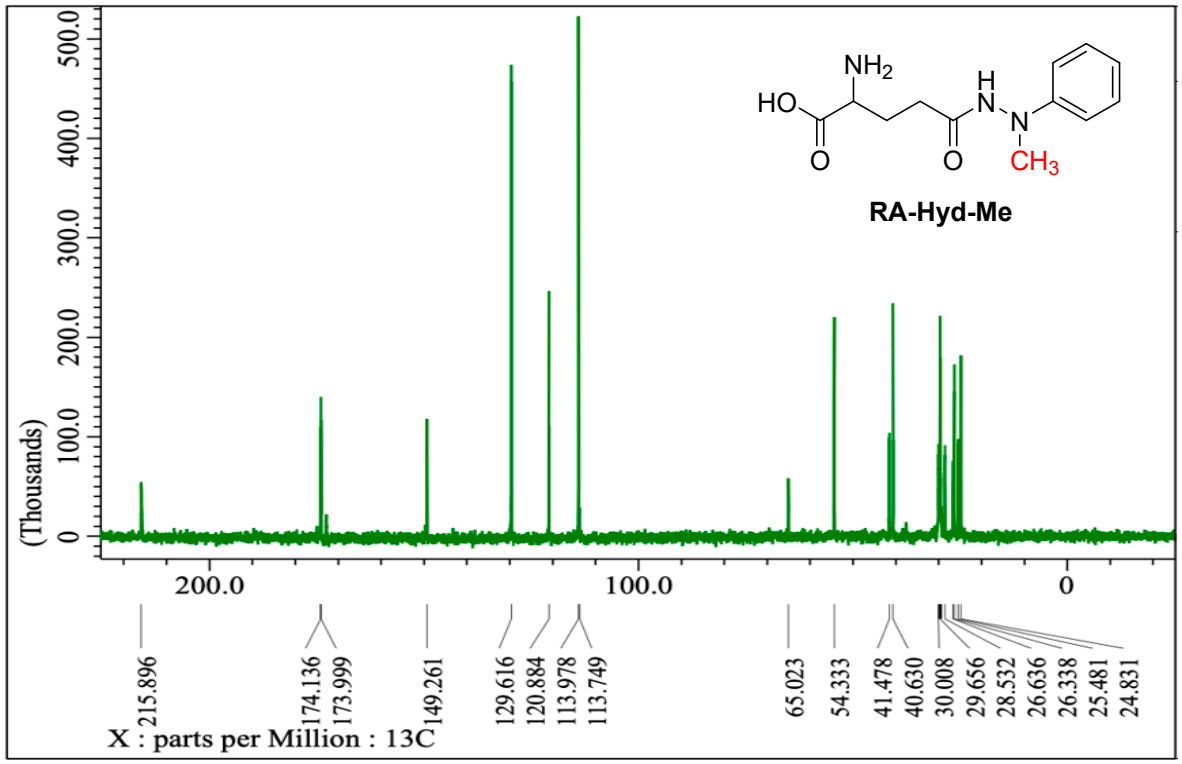


Figure S2: [13]C NMR (100 MHz) spectrum of **RA-Hyd-Me**

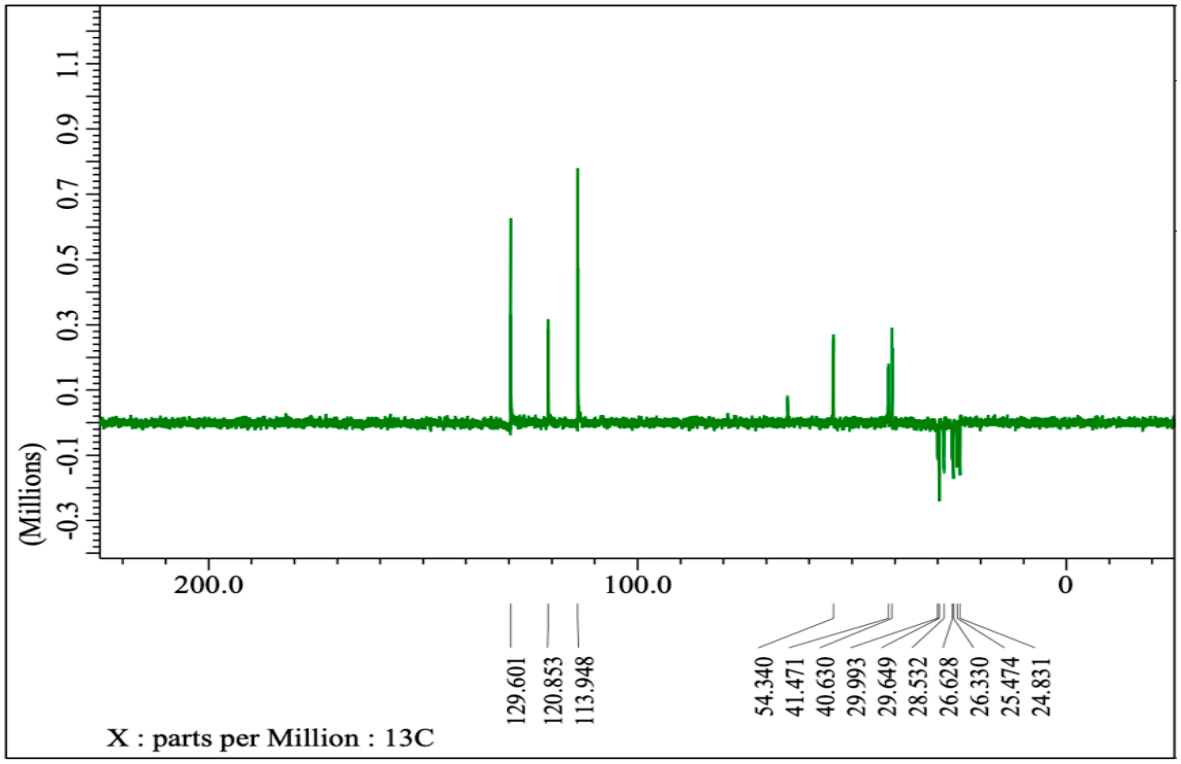


Figure S3: DEPT spectrum of **RA-Hyd-Me**

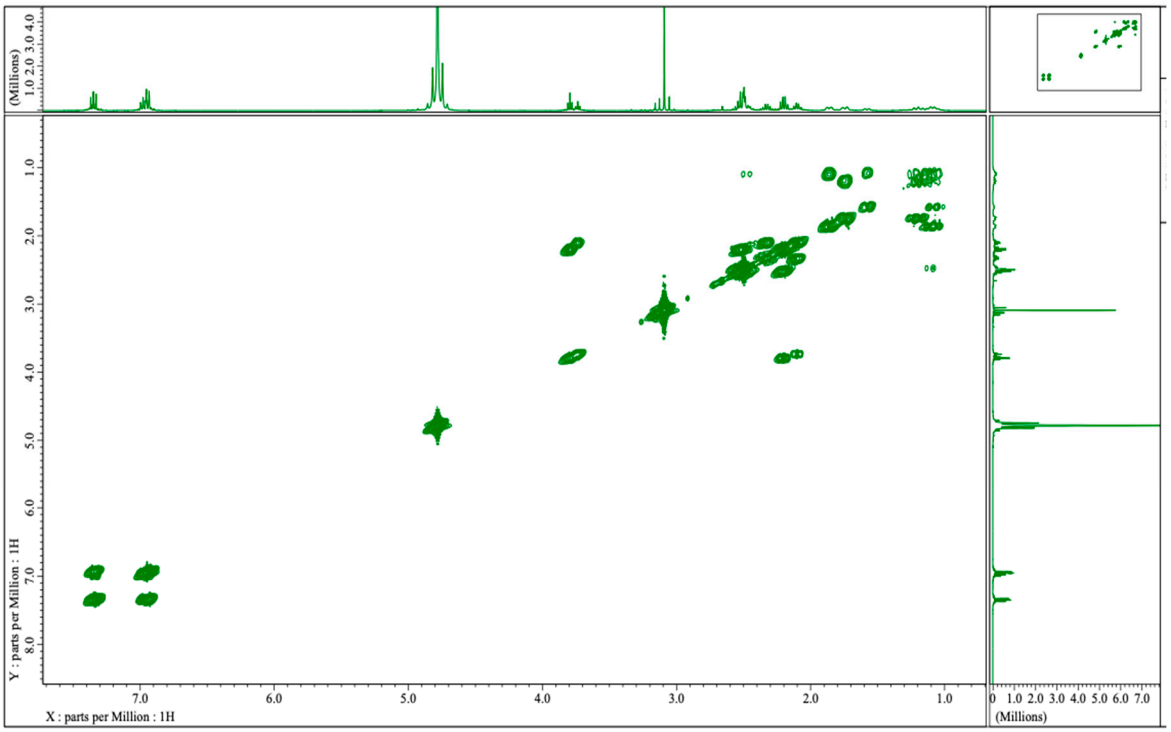


Figure S4: COSY spectrum of **RA-Hyd-Me**

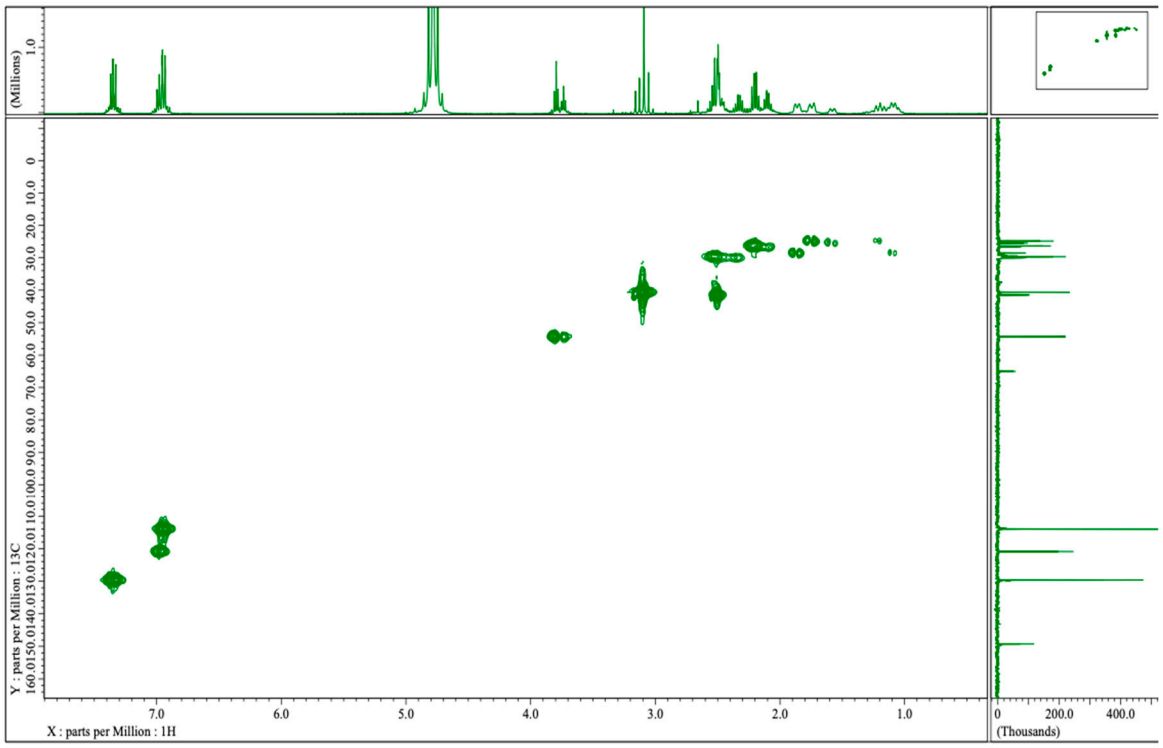


Figure S5: HMQC spectrum of **RA-Hyd-Me**

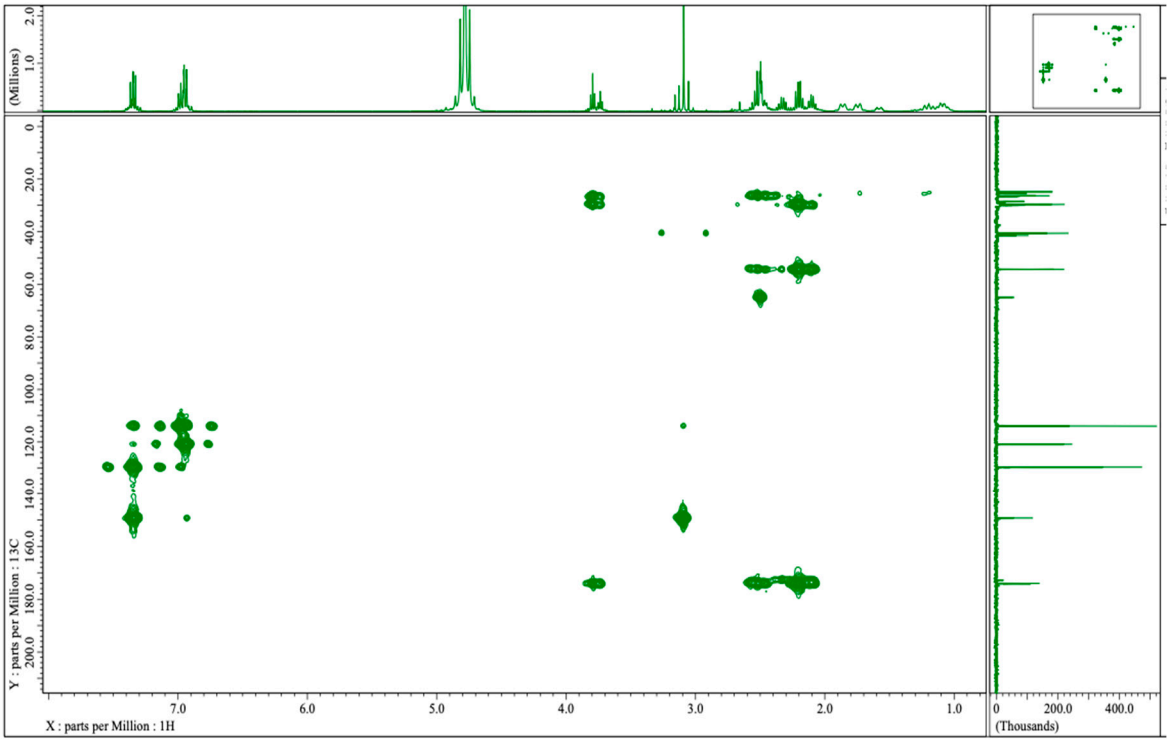


Figure S6: HMBC spectrum of **RA-Hyd-Me**

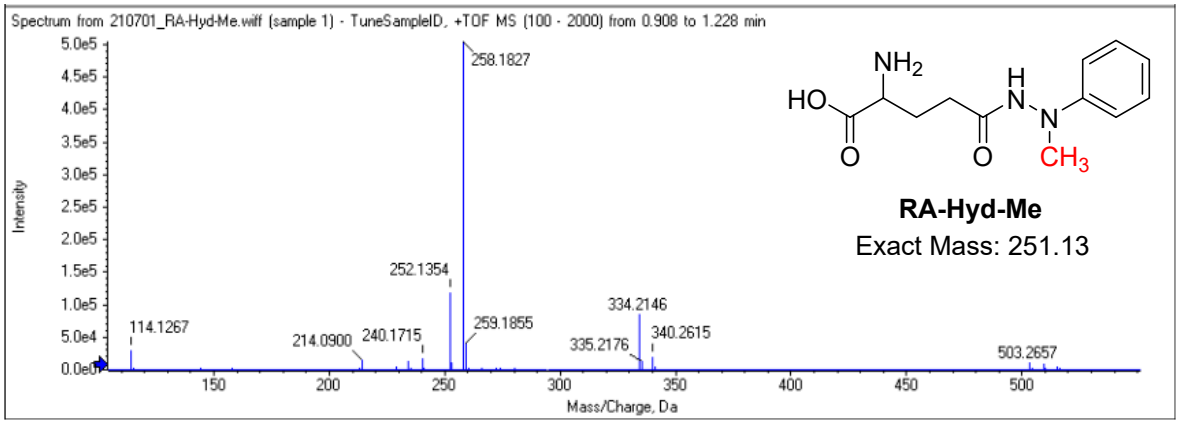


Figure S7: HRESIMS spectrum of **RA-Hyd-Me**

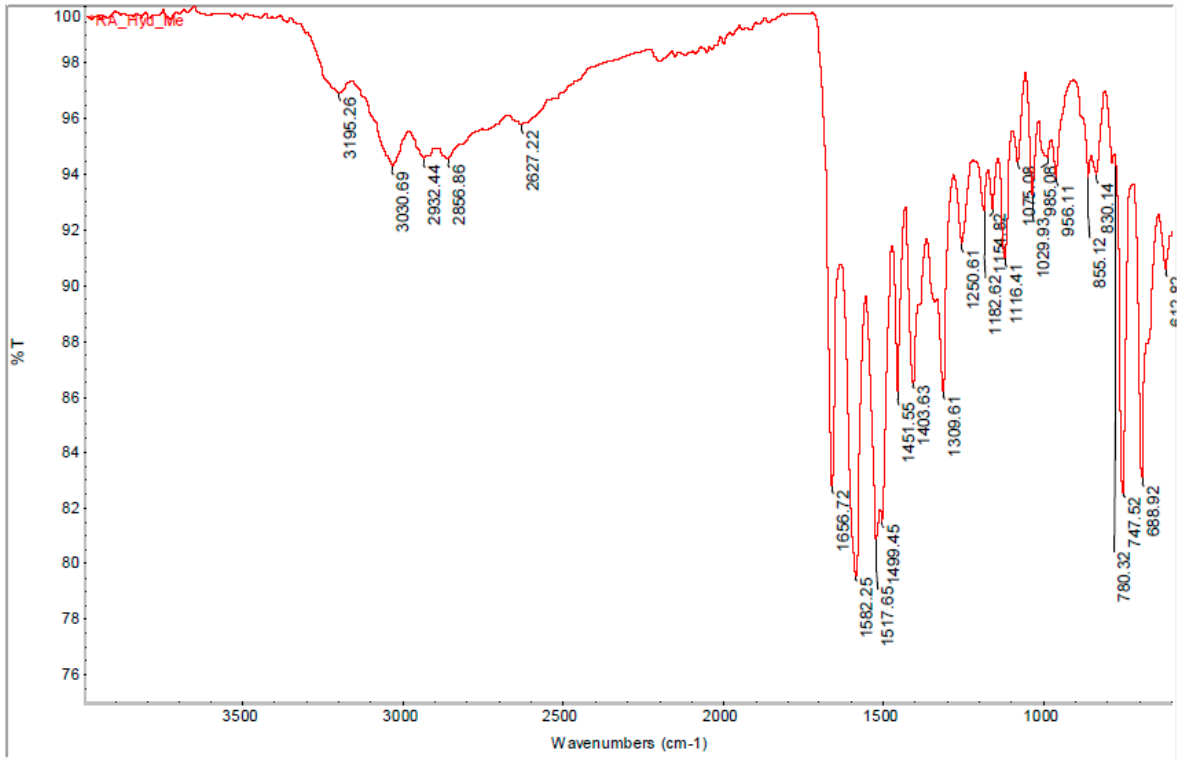


Figure S8: FT-IR spectrum of **RA-Hyd-Me**

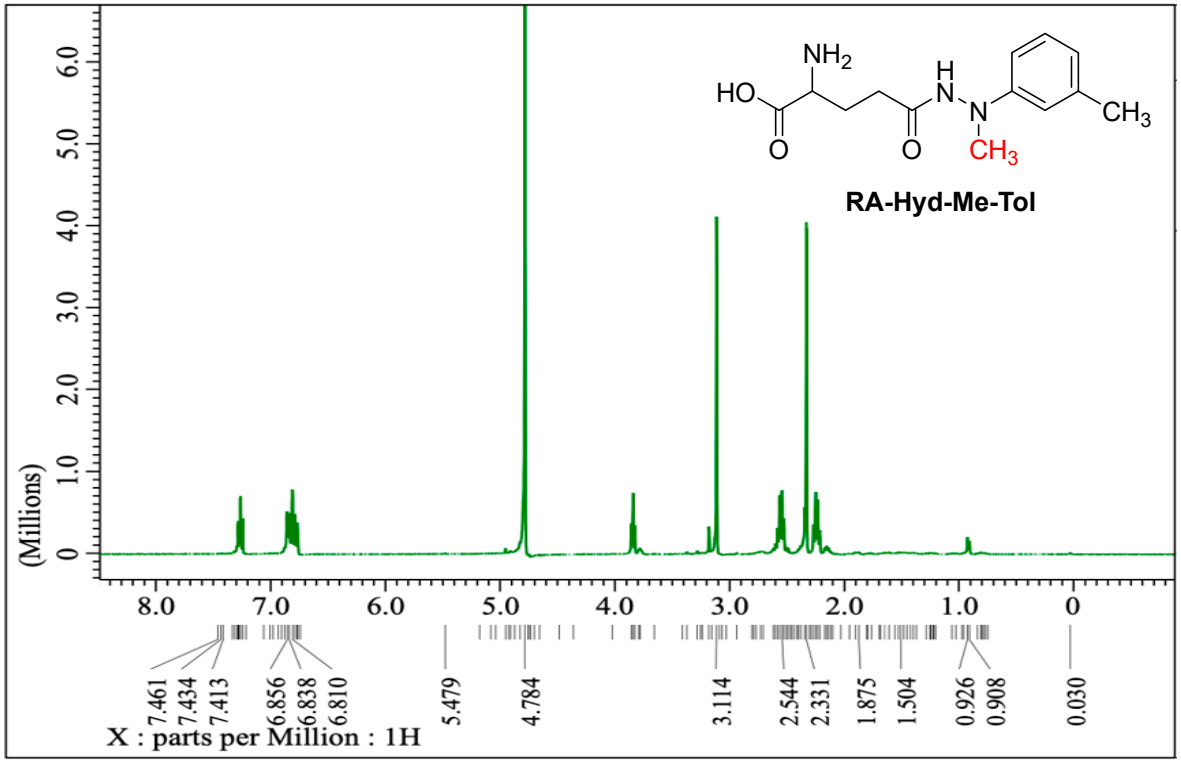


Figure S9: [1]H NMR (400 MHz) spectrum of **RA-Hyd-Me-Tol**

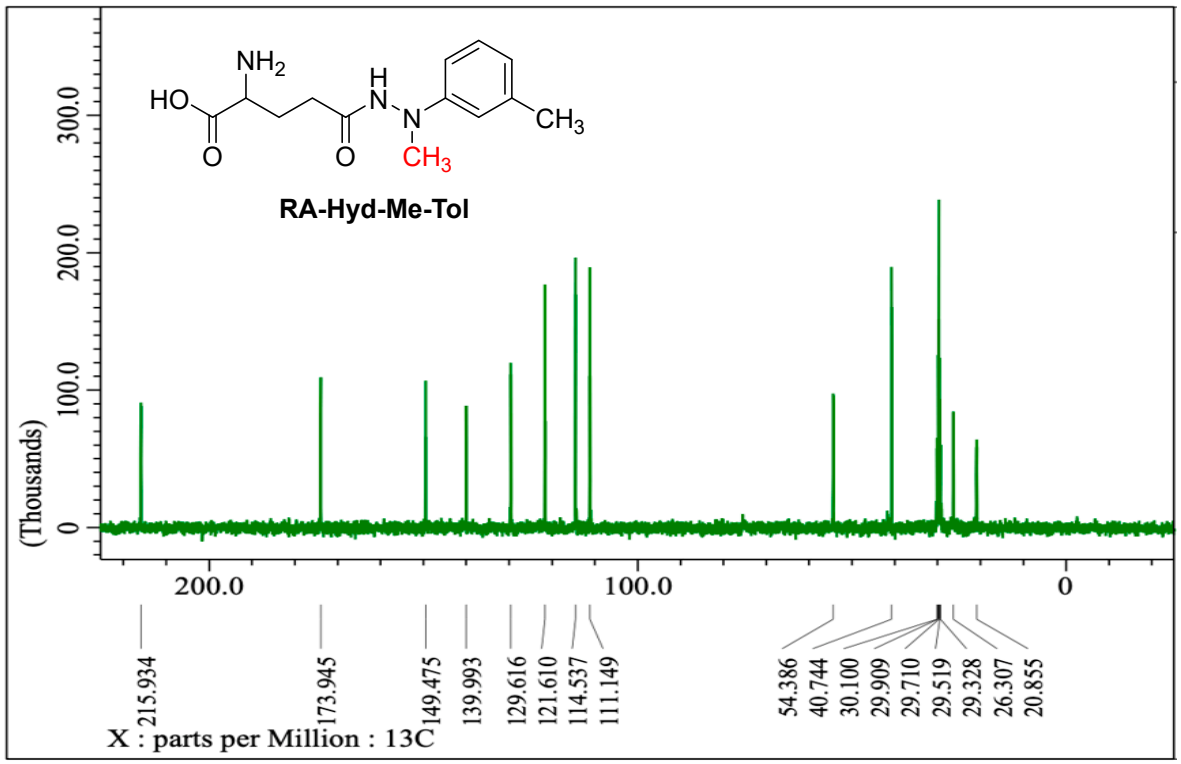


Figure S10: [13]C NMR (100 MHz) spectrum of **RA-Hyd-Me-Tol**

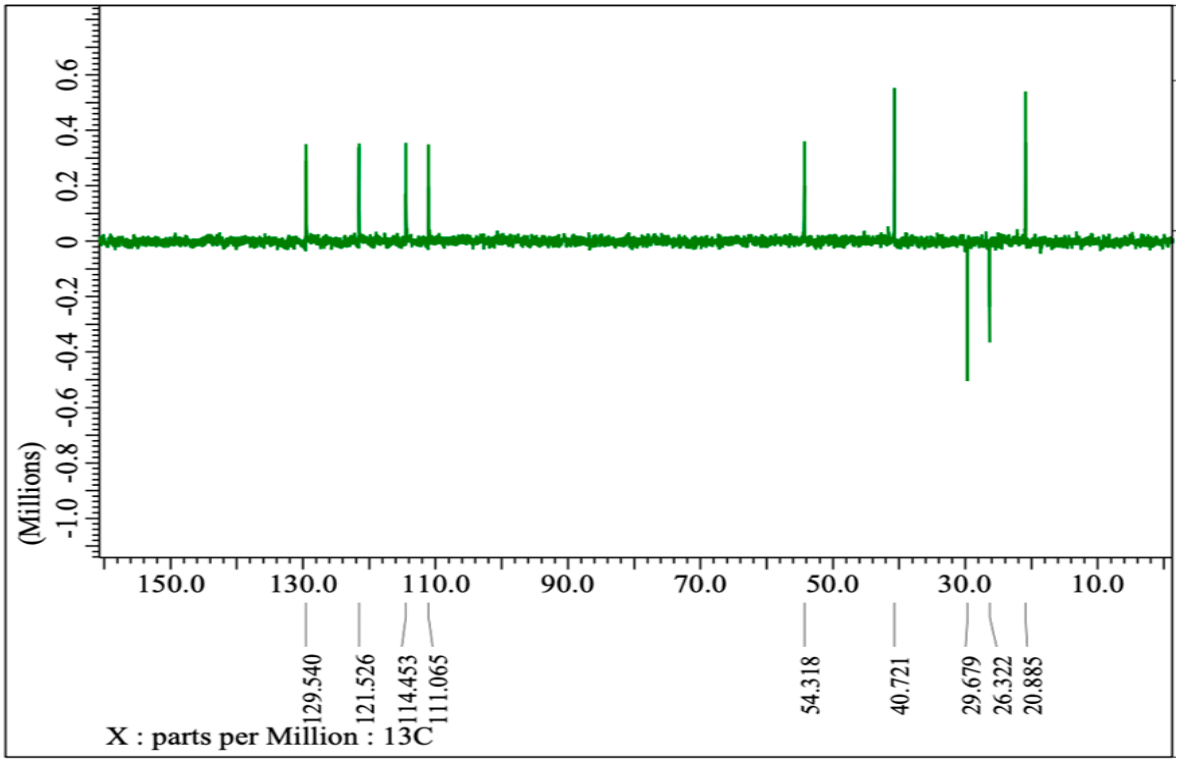


Figure S11: DEPT spectrum of **RA-Hyd-Me-Tol**

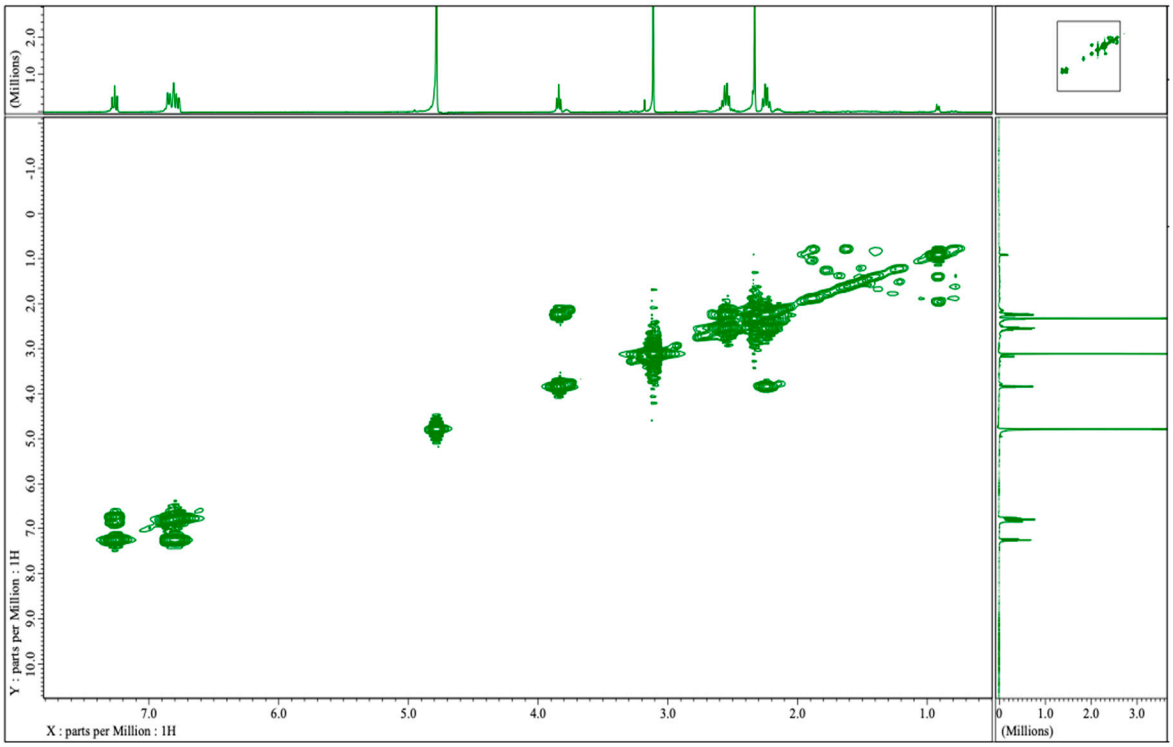


Figure S12: COSY spectrum of **RA-Hyd-Me-Tol**

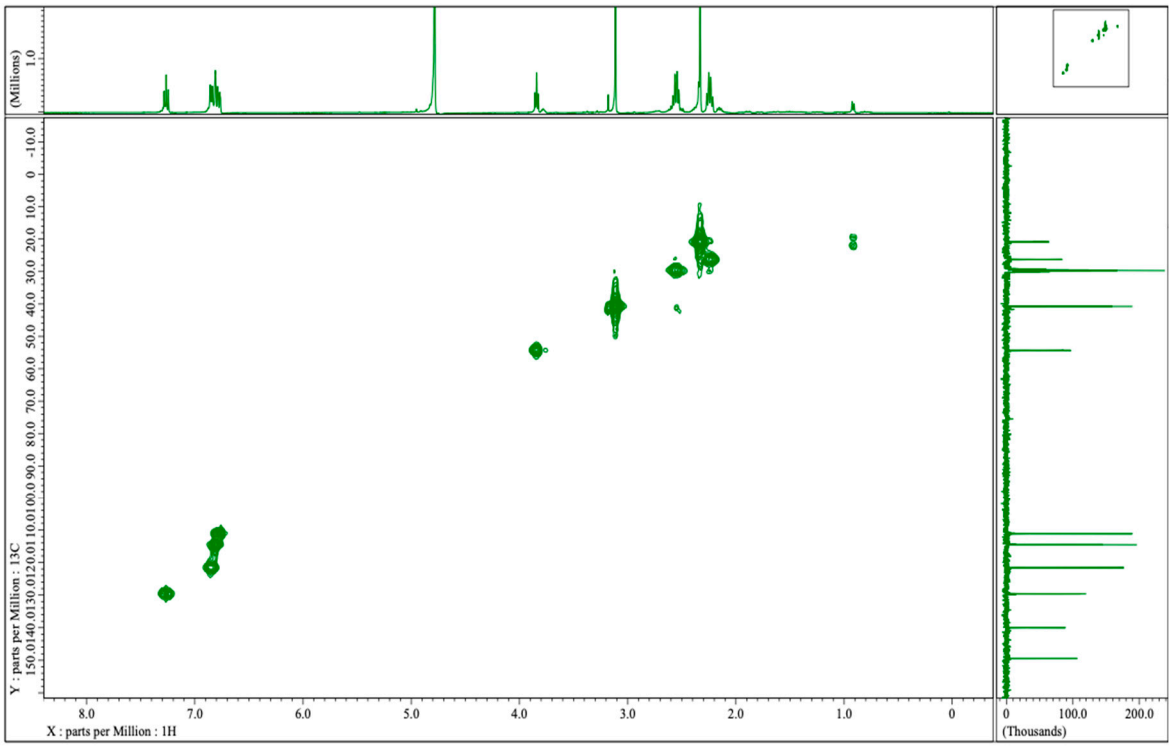


Figure S13: HMQC spectrum of **RA-Hyd-Me-Tol**

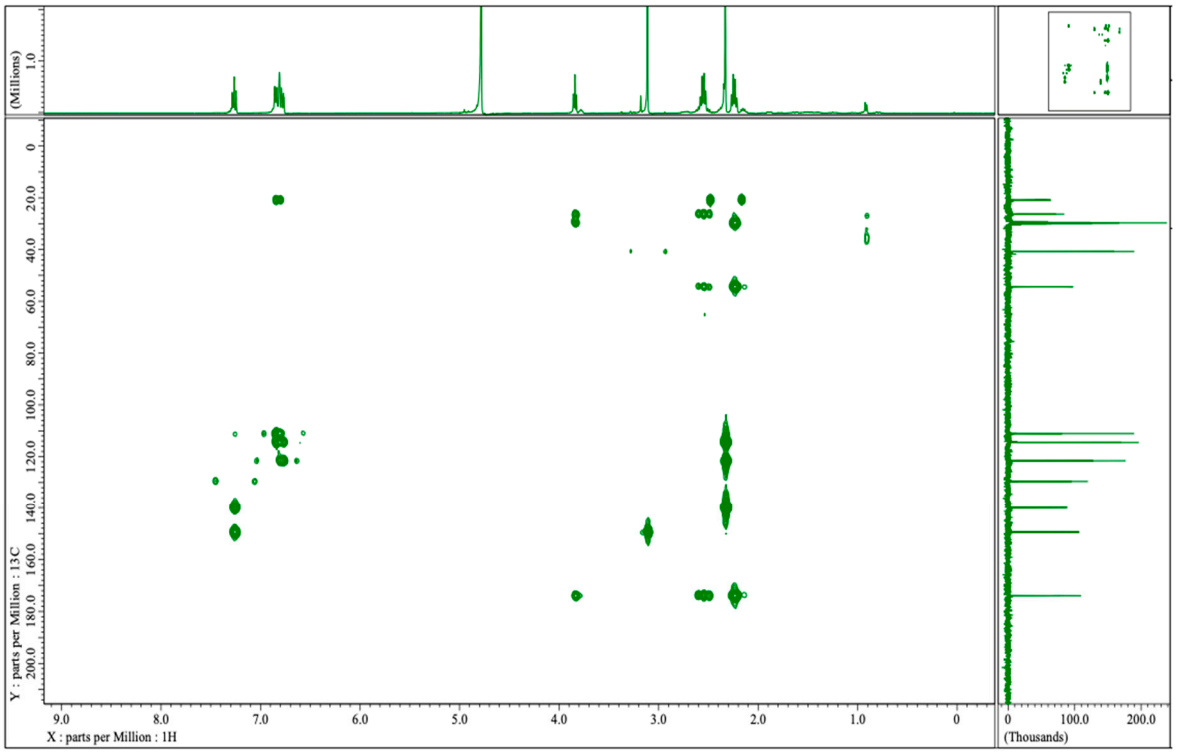


Figure S14: HMBC spectrum of **RA-Hyd-Me-Tol**

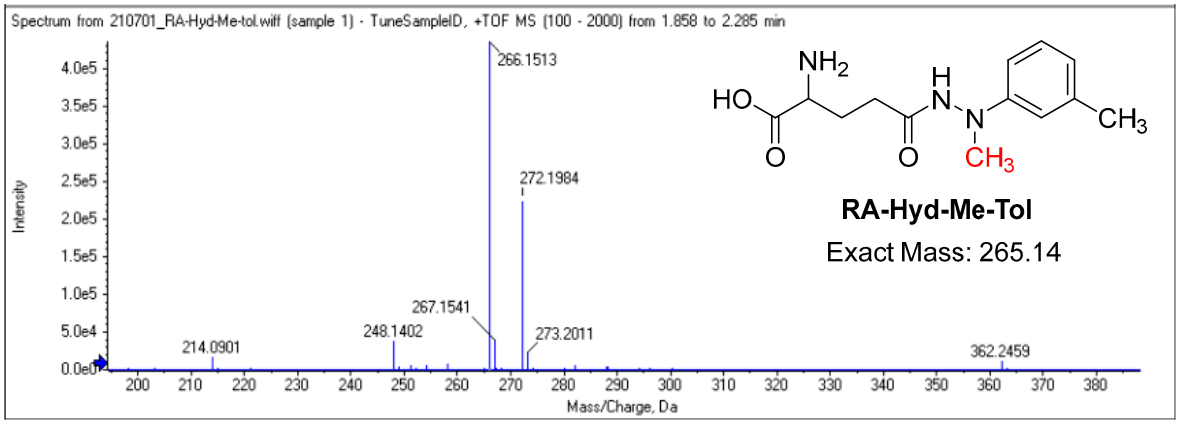


Figure S15: HRESIMS spectrum of **RA-Hyd-Me-Tol**

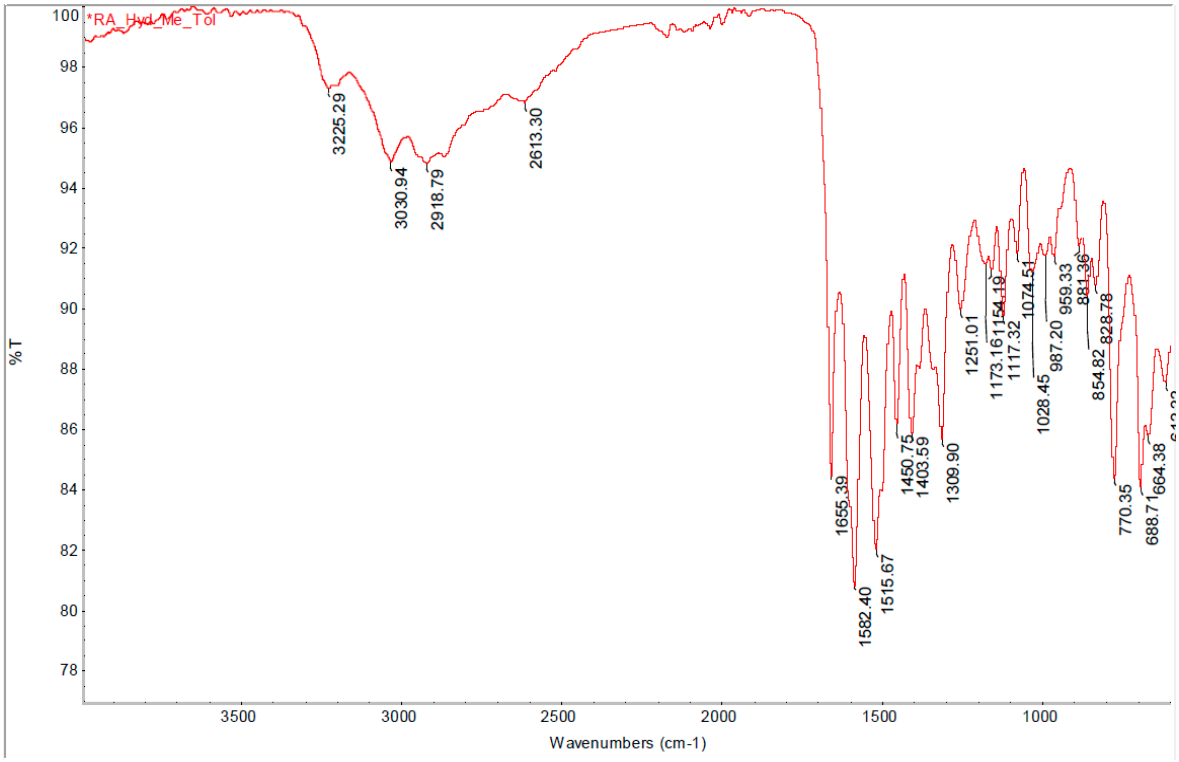


Figure S16: FT-IR spectrum of **RA-Hyd-Me-Tol**

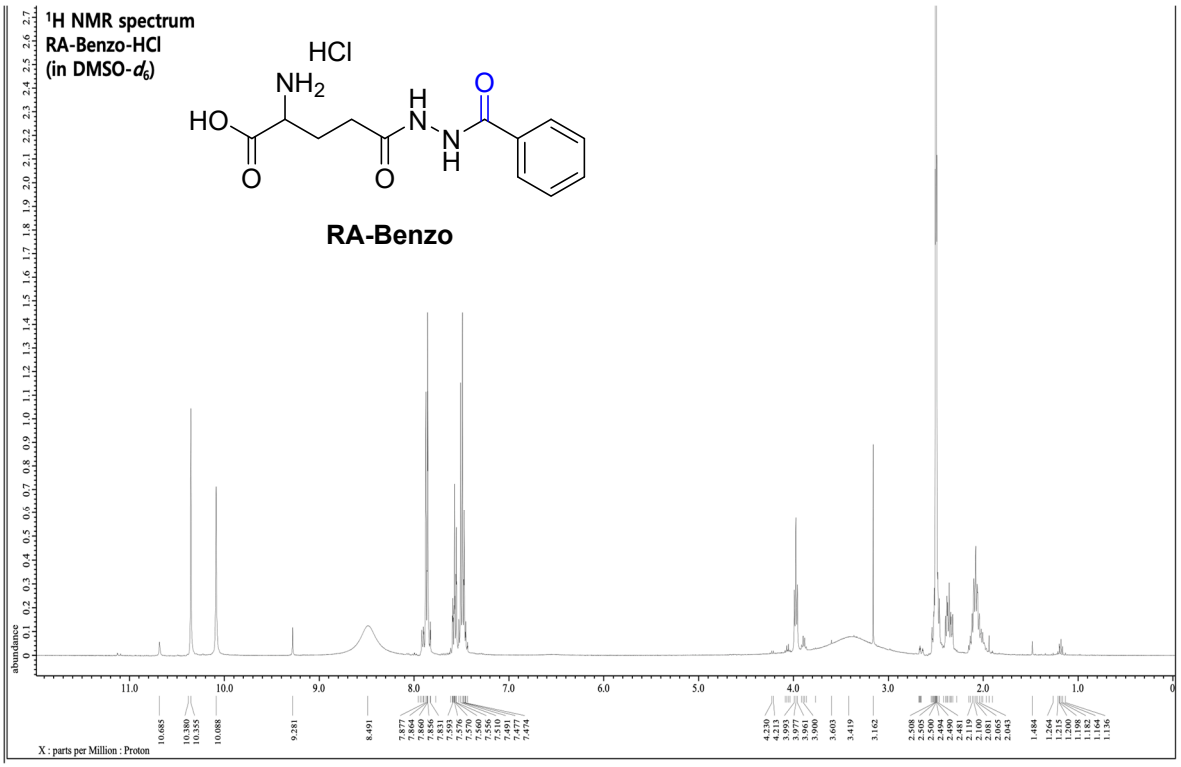


Figure S17: ¹H NMR (400 MHz) spectrum of **RA-Benzo**

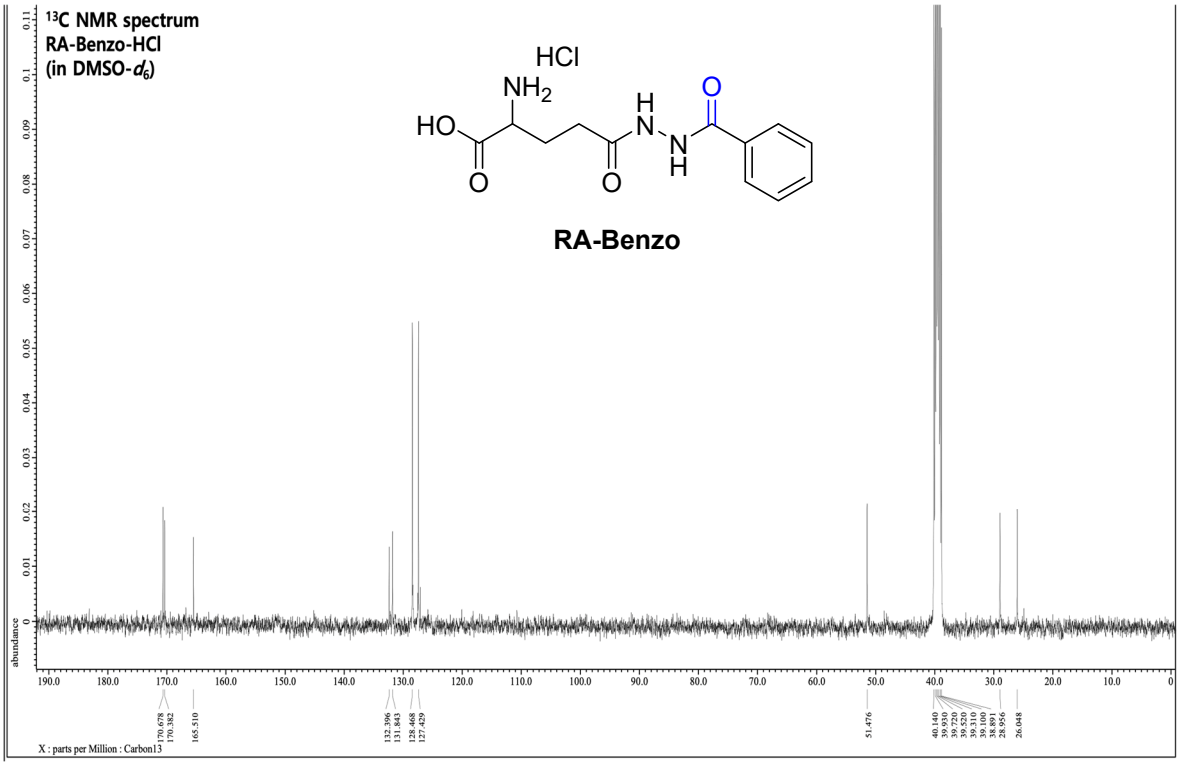


Figure S18: ¹³C NMR (100 MHz) spectrum of **RA-Benzo**

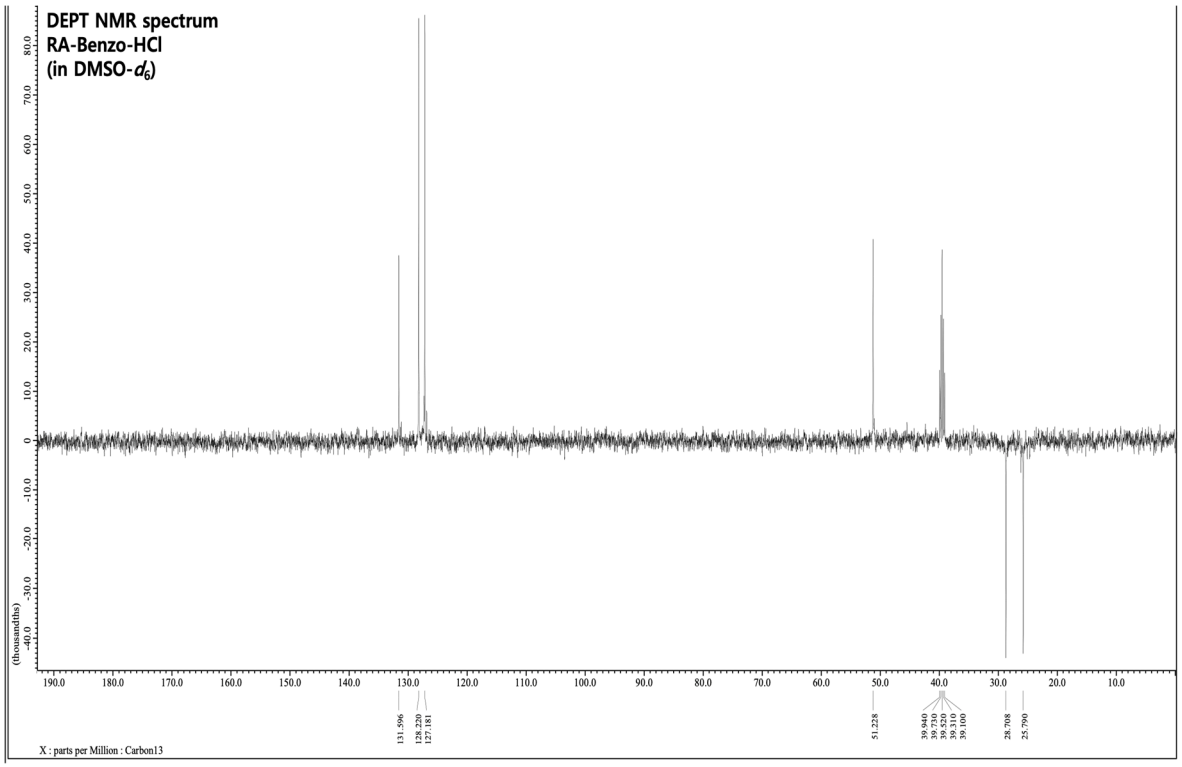


Figure S19: DEPT spectrum of **RA-Benzo**

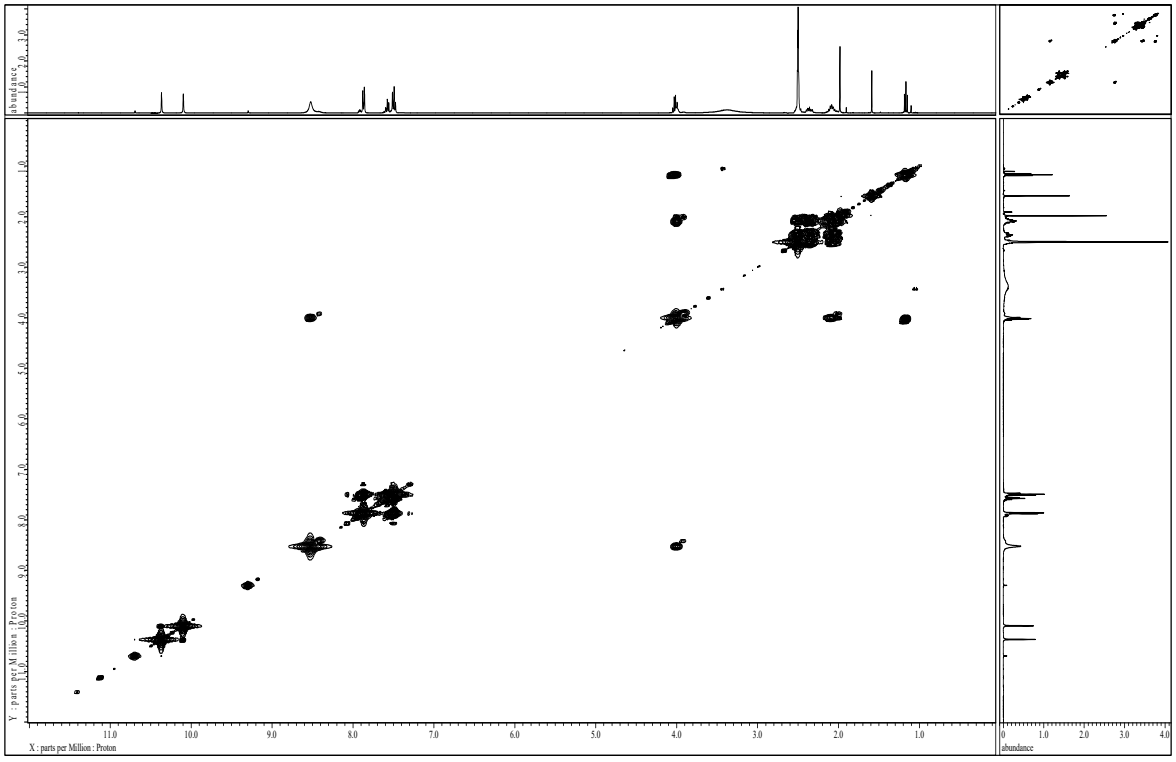


Figure S20: COSY spectrum of **RA-Benzo**

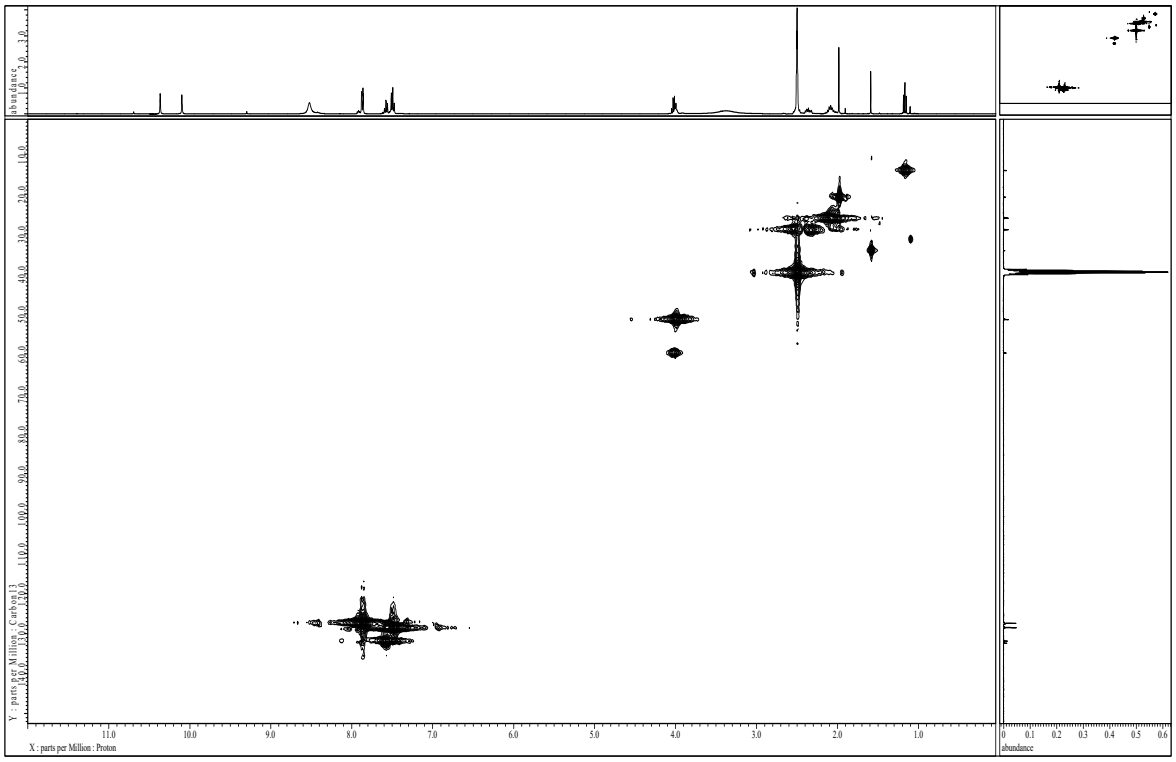


Figure S21: HMQC spectrum of **RA-Benzo**

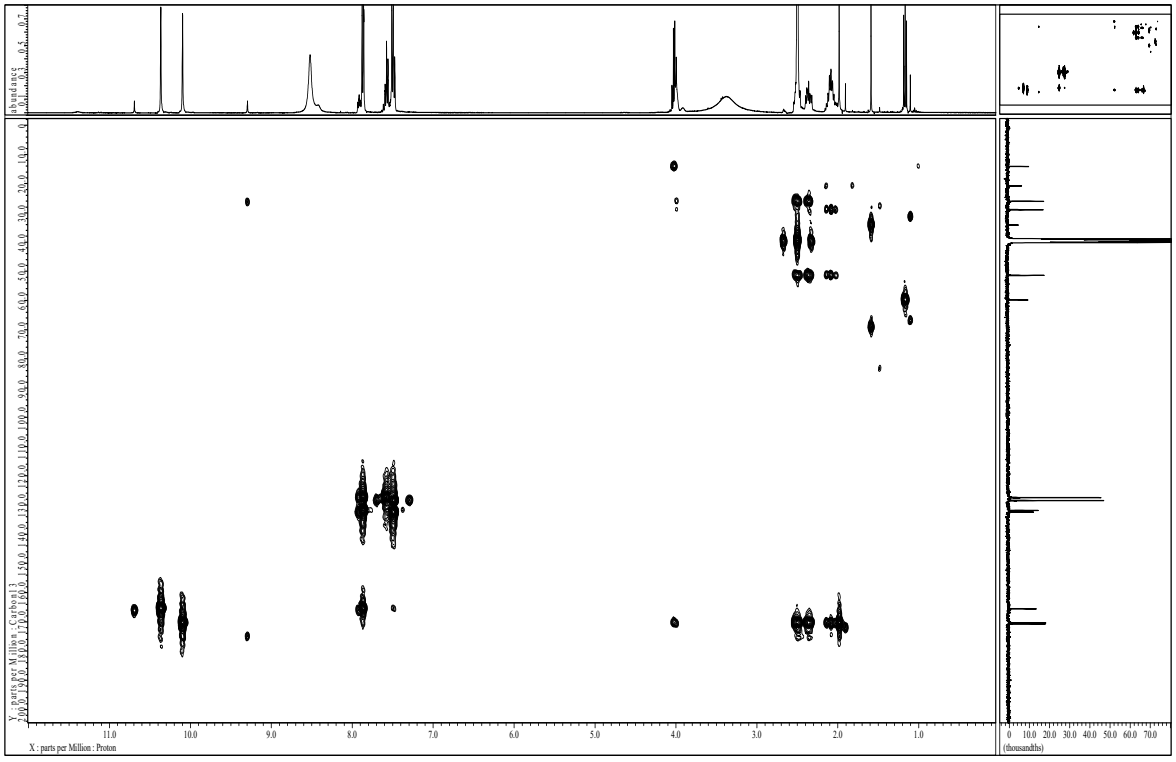


Figure S22: HMBC spectrum of **RA-Benzo**

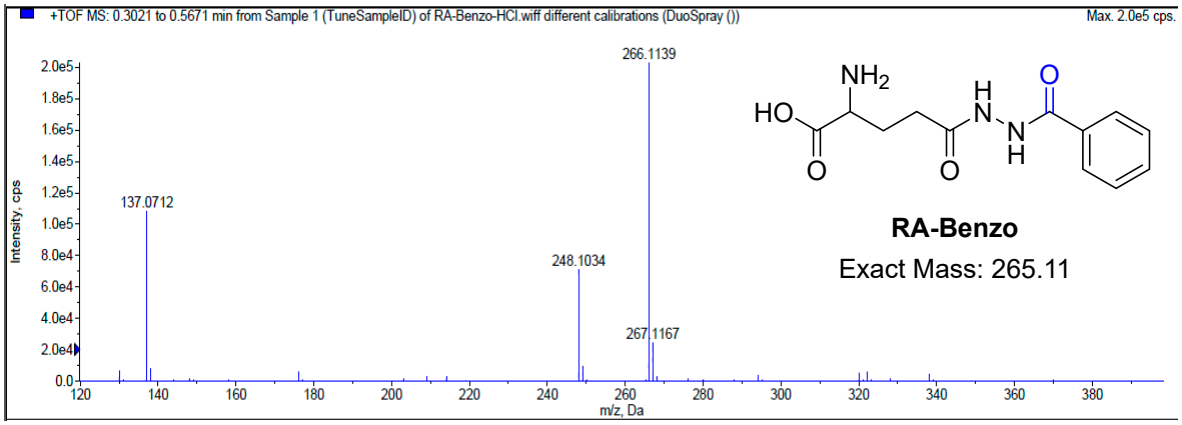


Figure S23: HRESIMS spectrum of **RA-Benzo**

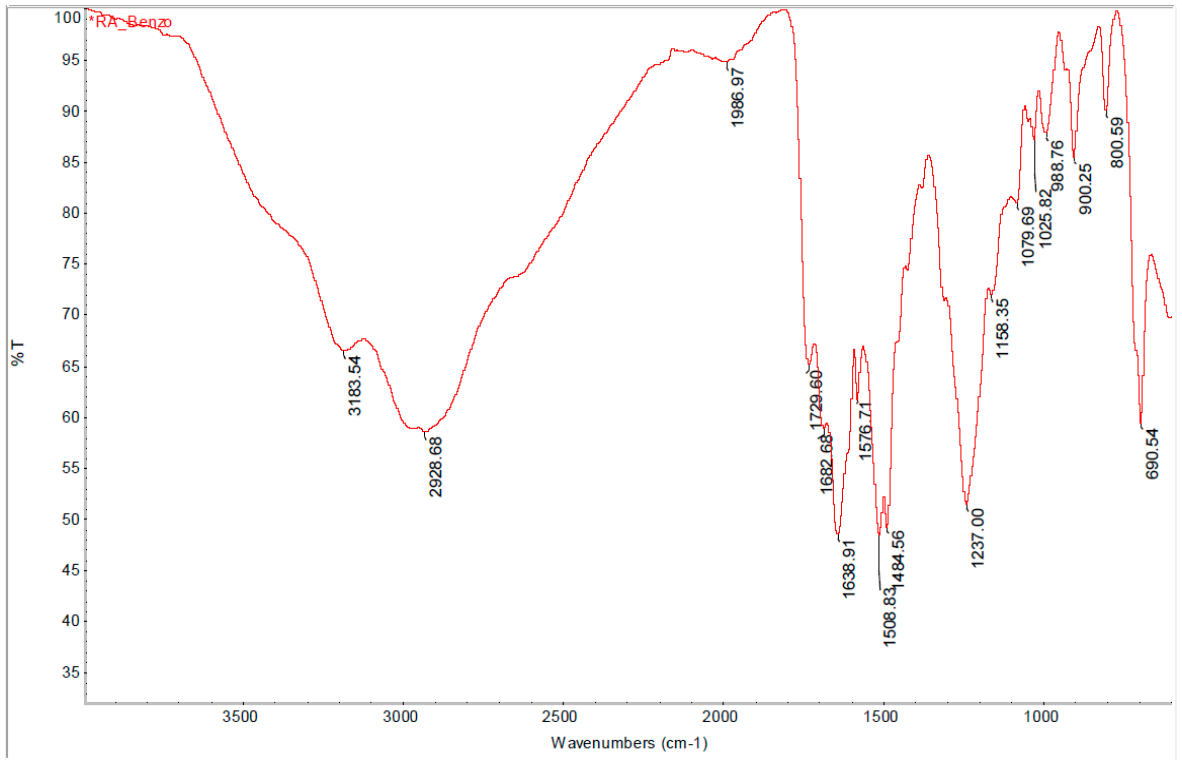


Figure S24: FT-IR spectrum of **RA-Benzo**

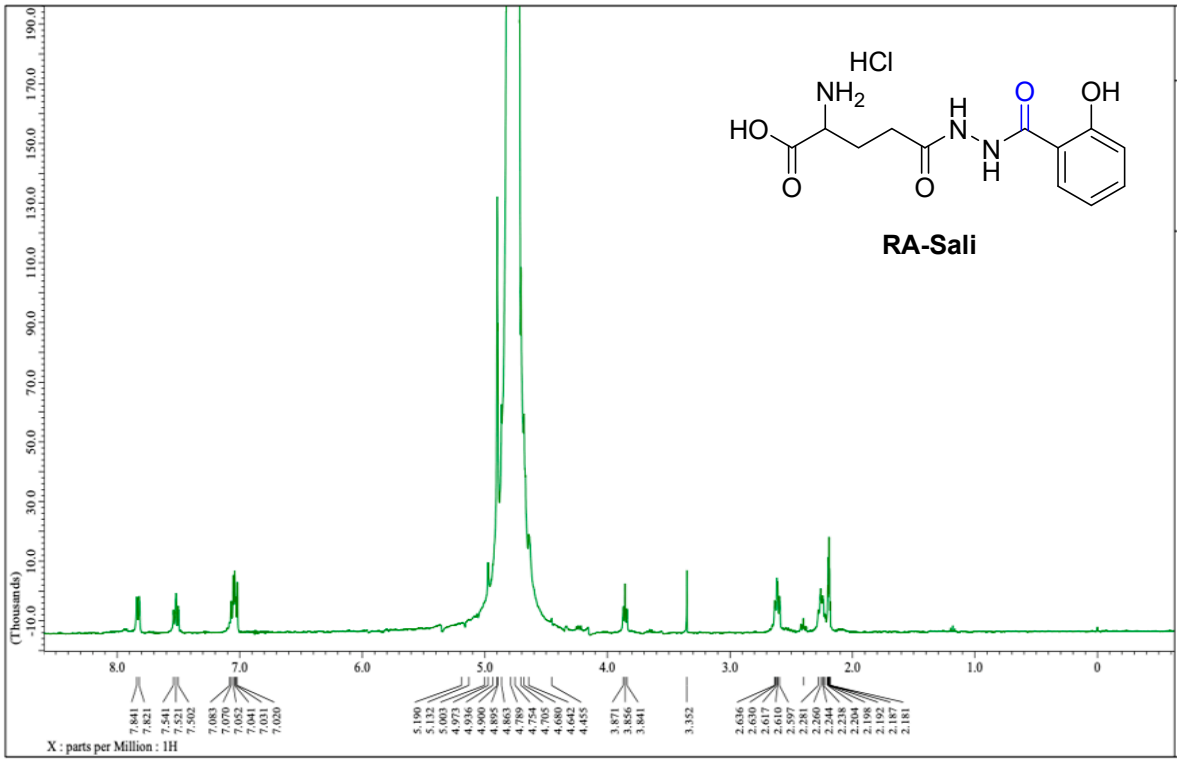


Figure S25: [1]H NMR (400 MHz) spectrum of **RA-Sali**

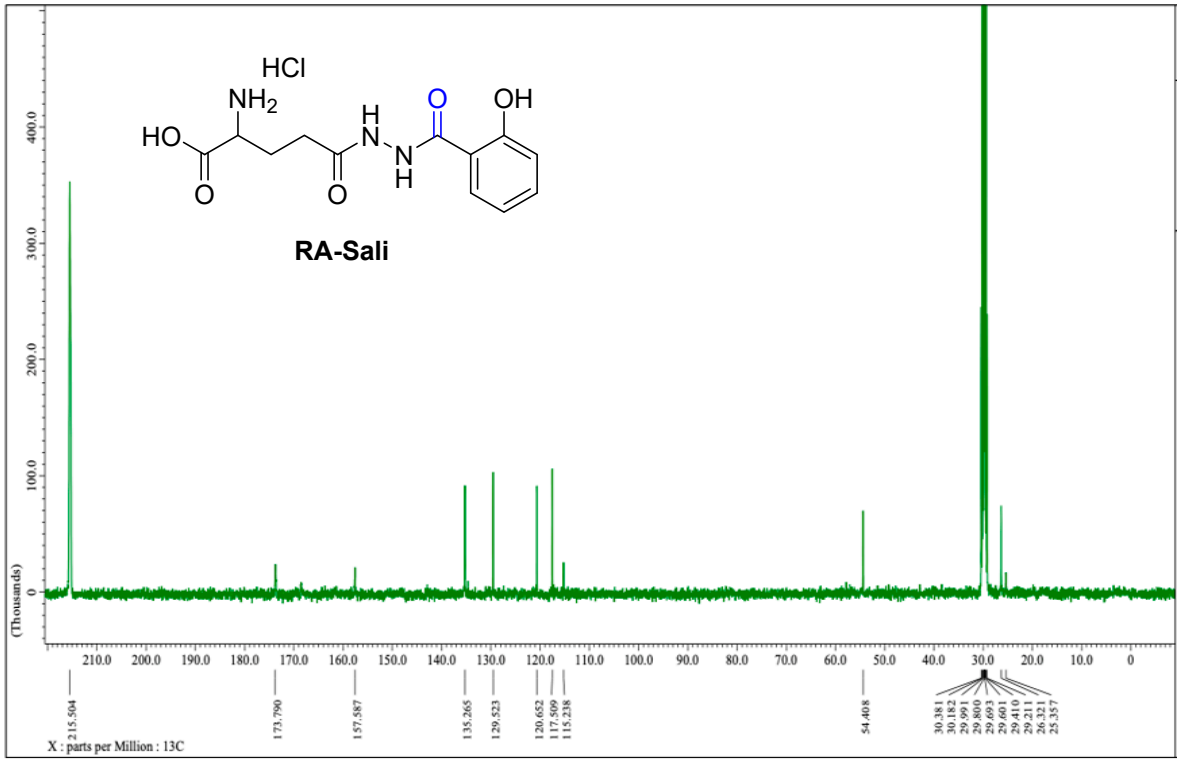


Figure S26: [13]C NMR (100 MHz) spectrum of **RA-Sali**

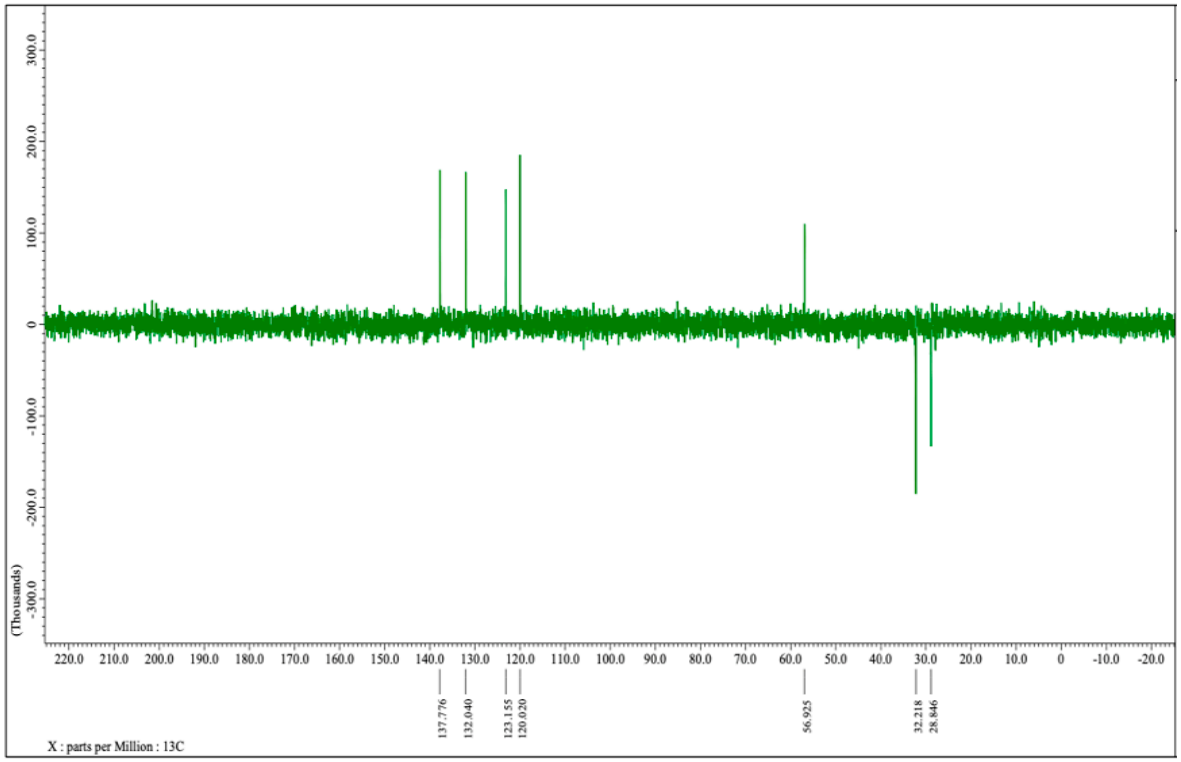


Figure S27: DEPT spectrum of **RA-Sali**

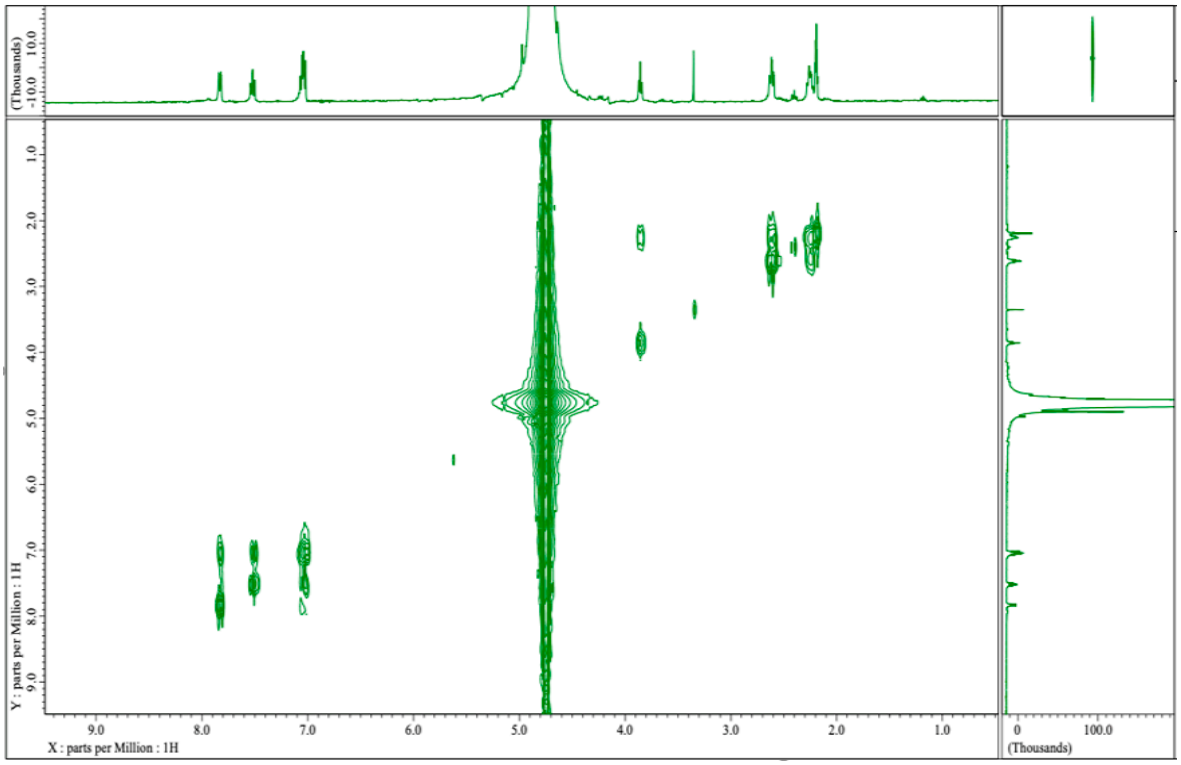


Figure S28: COSY spectrum of **RA-Sali**

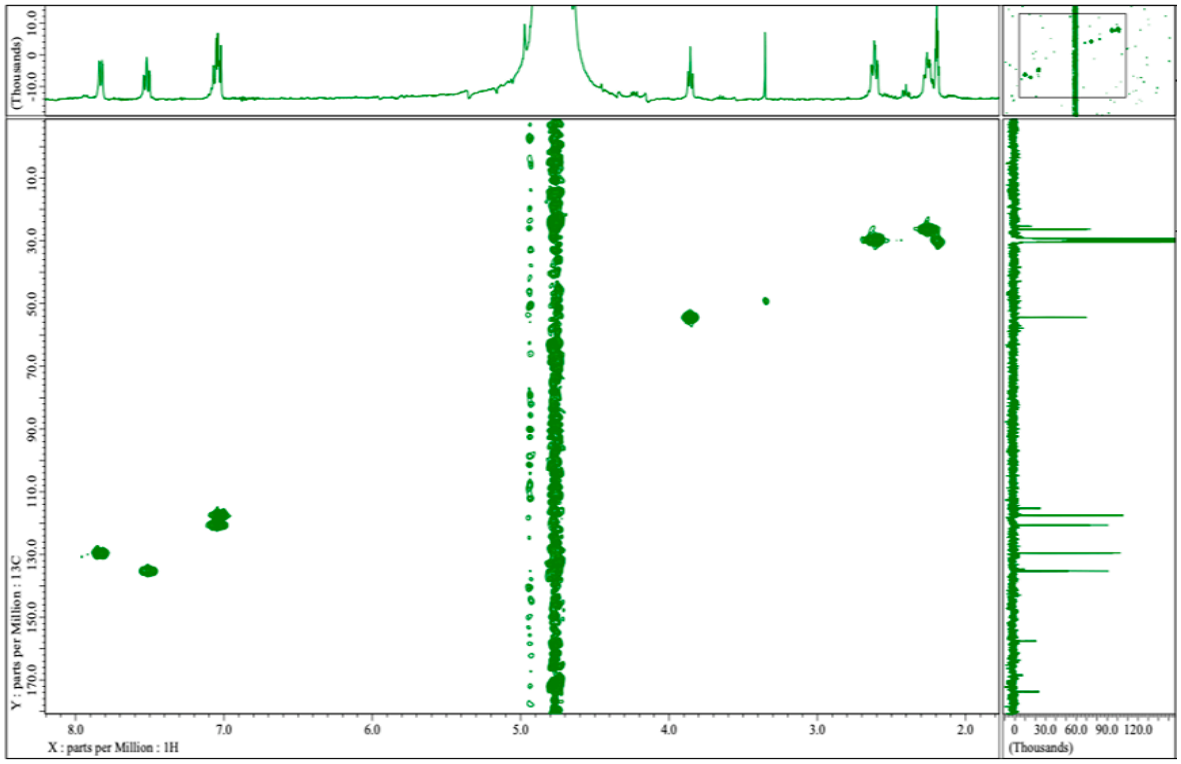


Figure S29: HMQC spectrum of **RA-Sali**

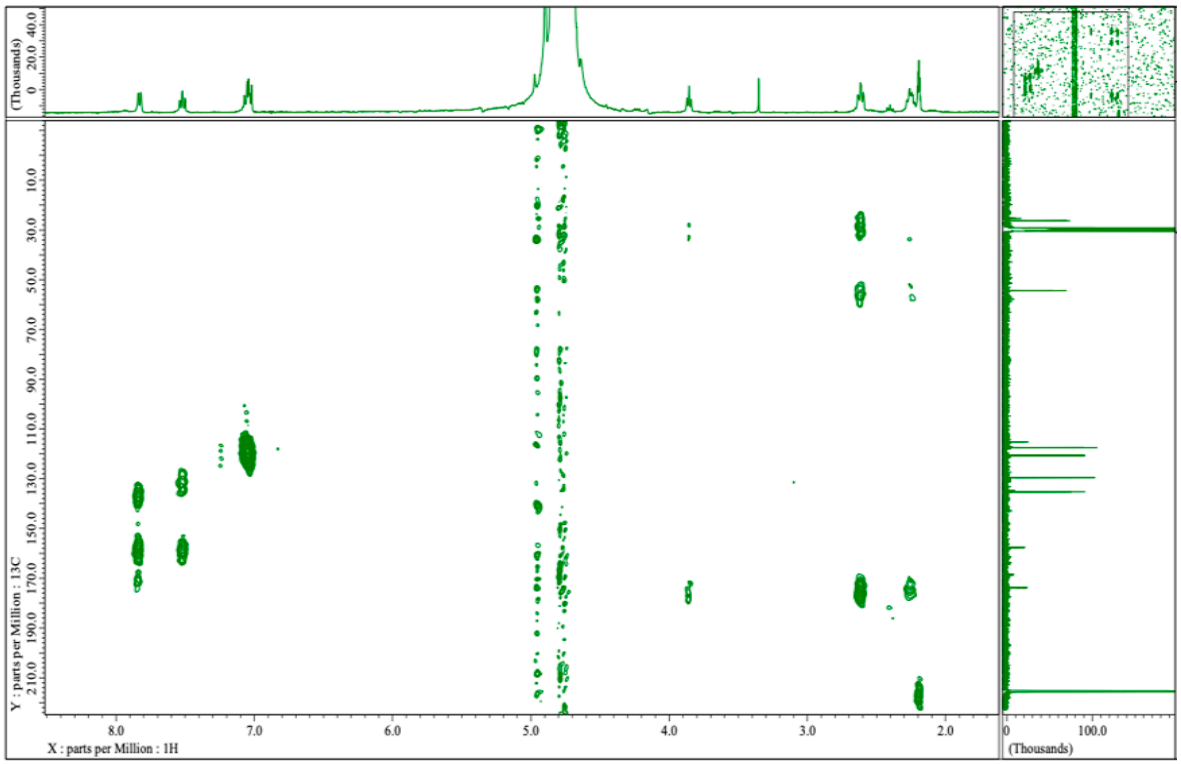


Figure S30: HMBC spectrum of **RA-Sali**

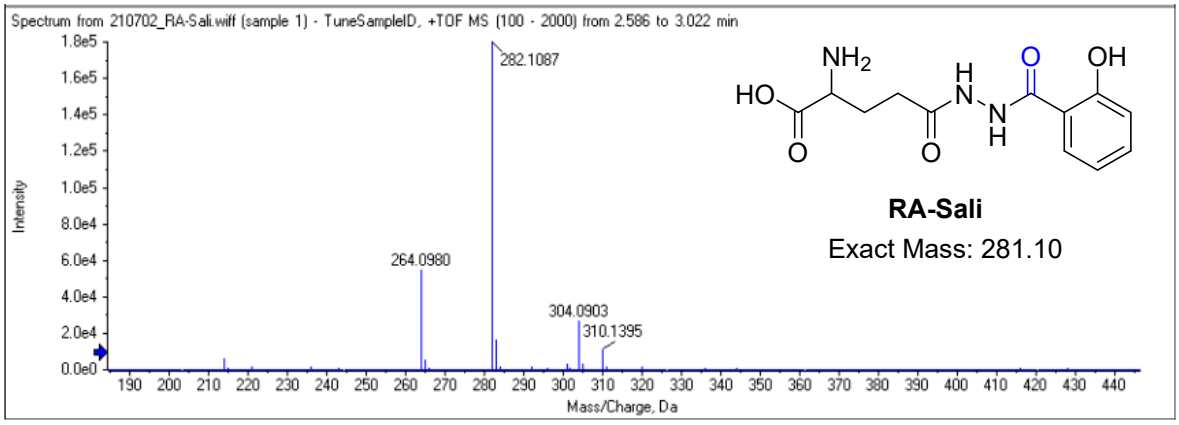


Figure S31: HRESIMS spectrum of **RA-Sali**

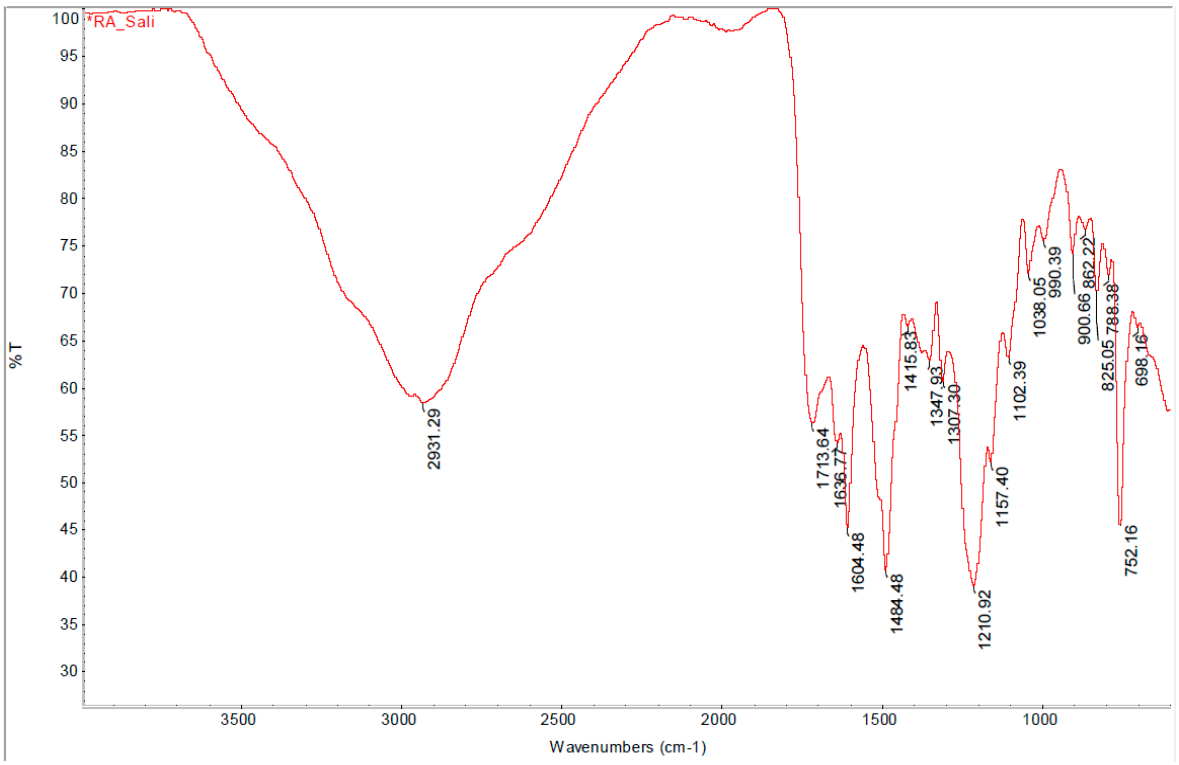


Figure S32: FT-IR spectrum of **RA-Sali**

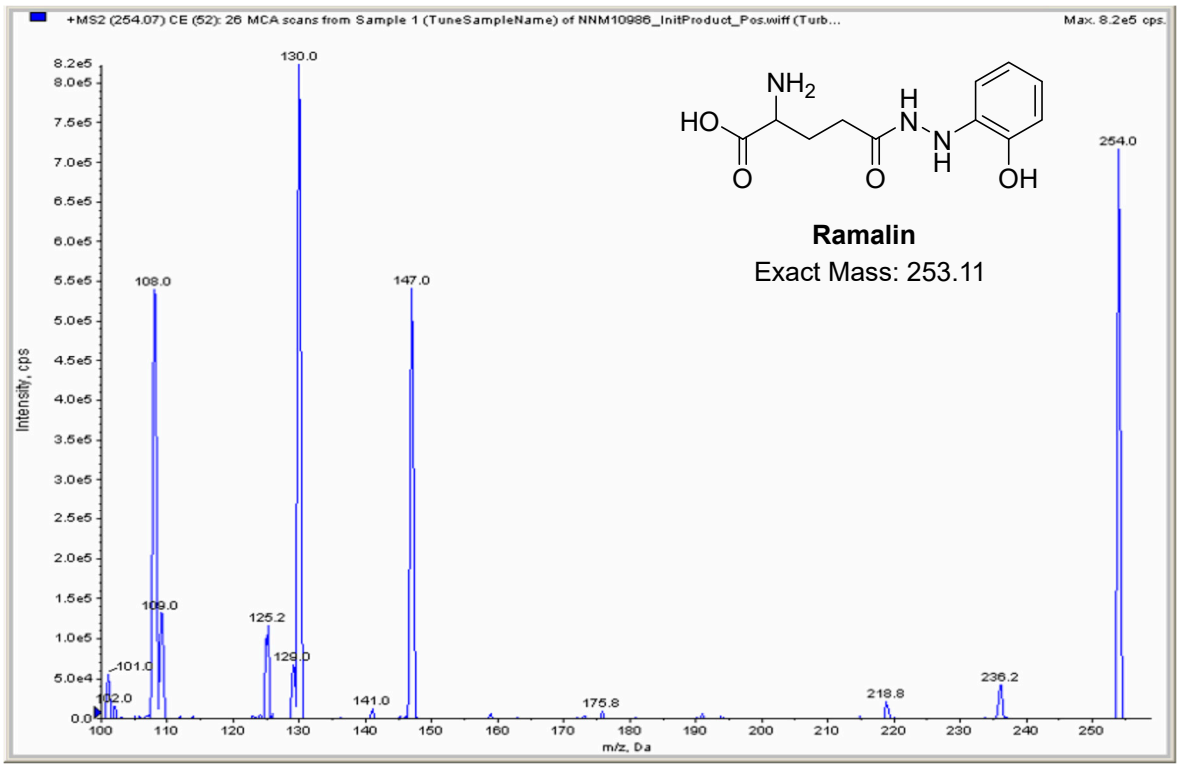


Figure S33: Mass product ion scan spectrum of **Ramalin**