

Supplementary Materials

Isolation, Identification and Pharmacological Effects of *Mandragora autumnalis* Fruit Flavonoids Fraction

Nawaf Al-Maharik ^{1,*}, Nidal Jaradat ^{2,*}, Najlaa Bassalat ³, Mohammed Hawash ² and Hilal Zaid ⁴

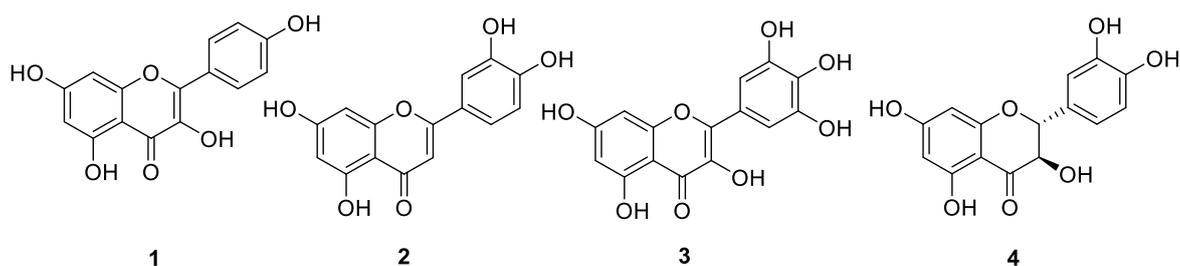
¹ Division of Chemistry, Faculty of Science, An-Najah National University, Nablus 00970, Palestine

² Department of Pharmacy, Faculty of Medicine and Health Sciences, An-Najah National University, Nablus 00970, Palestine; mohawash@najah.edu

³ Department of Biology and Biotechnology, Faculty of Sciences, Arab American University, Jenin 240, Palestine; nbassalat@gmail.com

⁴ Qasemi Research Center, Al-Qasemi Academic College, and Faculty of Medicine, Arab American University, Jenin 240, Palestine; hilal.zaid@gmail.com

* Correspondence: n.maharik@najah.edu (N.A.-M.); nidaljaradat@najah.edu (N.J.)



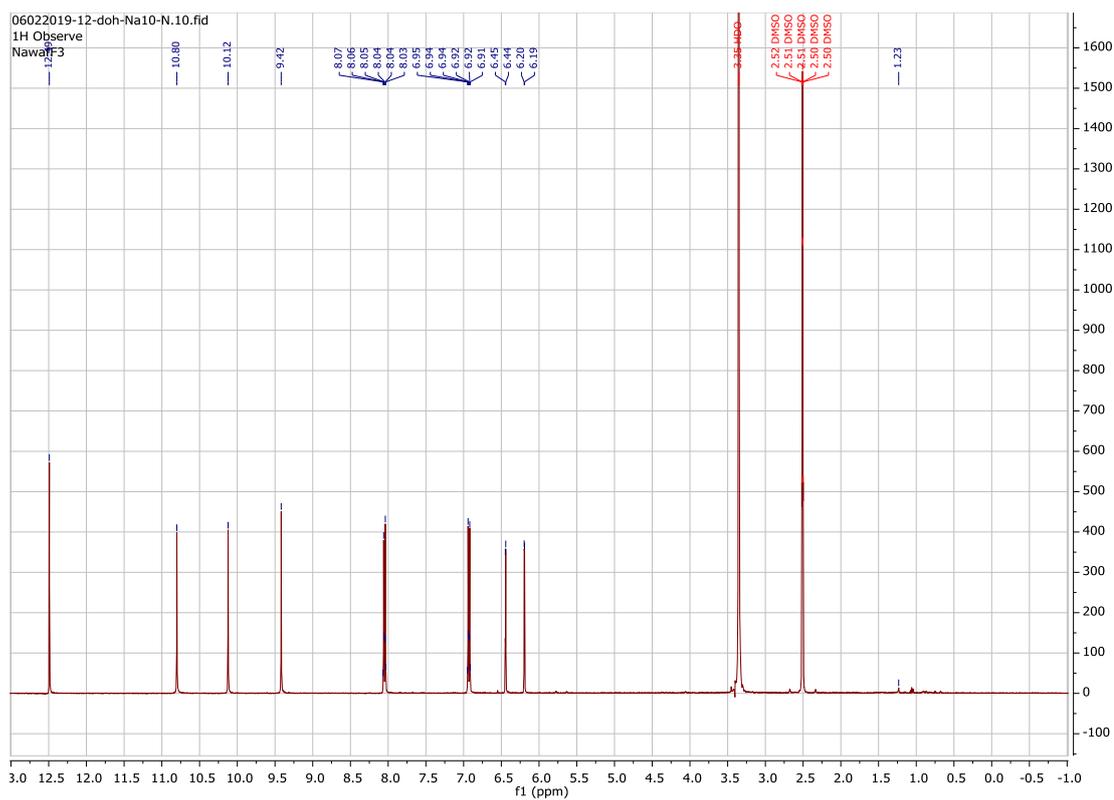


Figure S1. ¹H NMR spectrum of **1** in DMSO-d₆

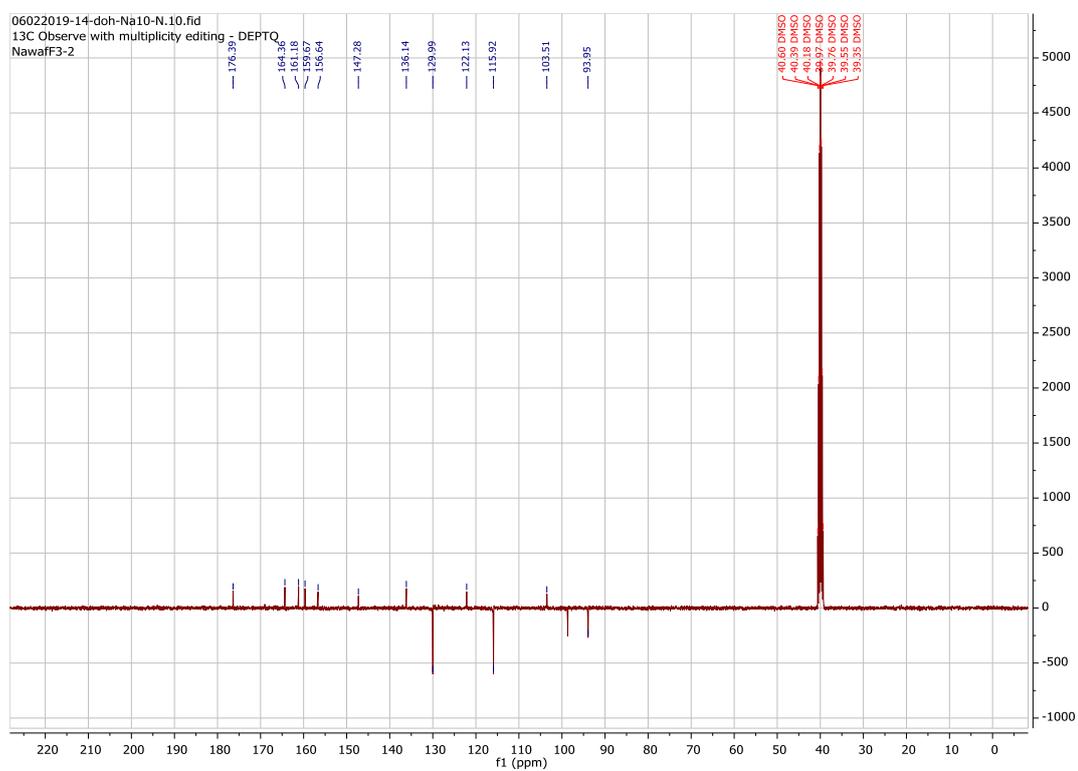


Figure S2. ¹³C NMR spectrum (400 MHz) of **1** in DMSO-d₆

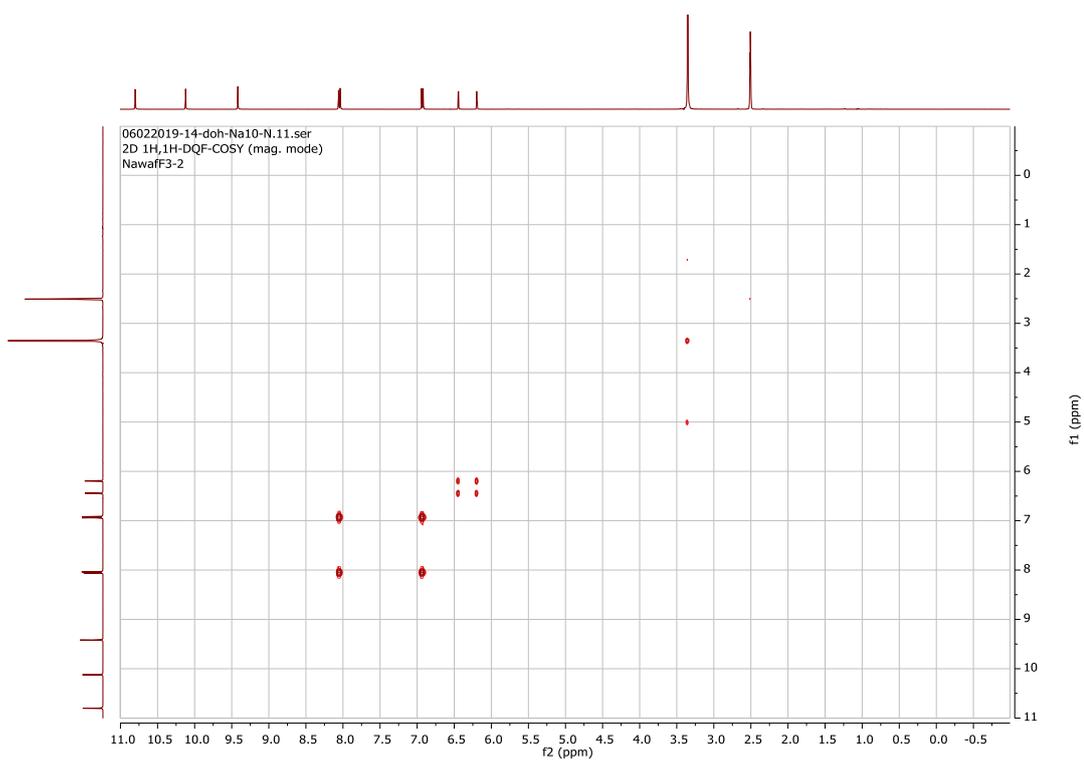


Figure S3. ^1H - ^1H COSY spectrum of **1** in DMSO-d_6

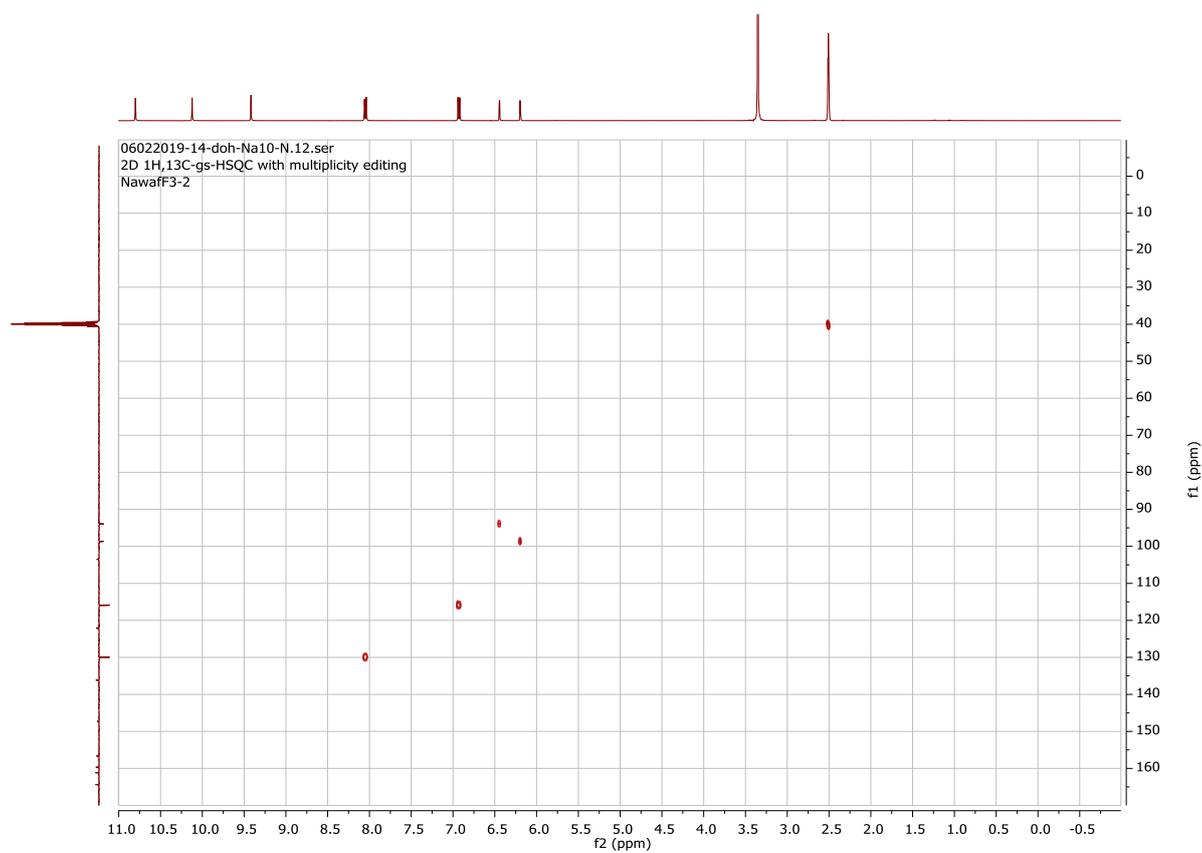


Figure S4. HSQC spectrum of **1** in DMSO-d_6 .

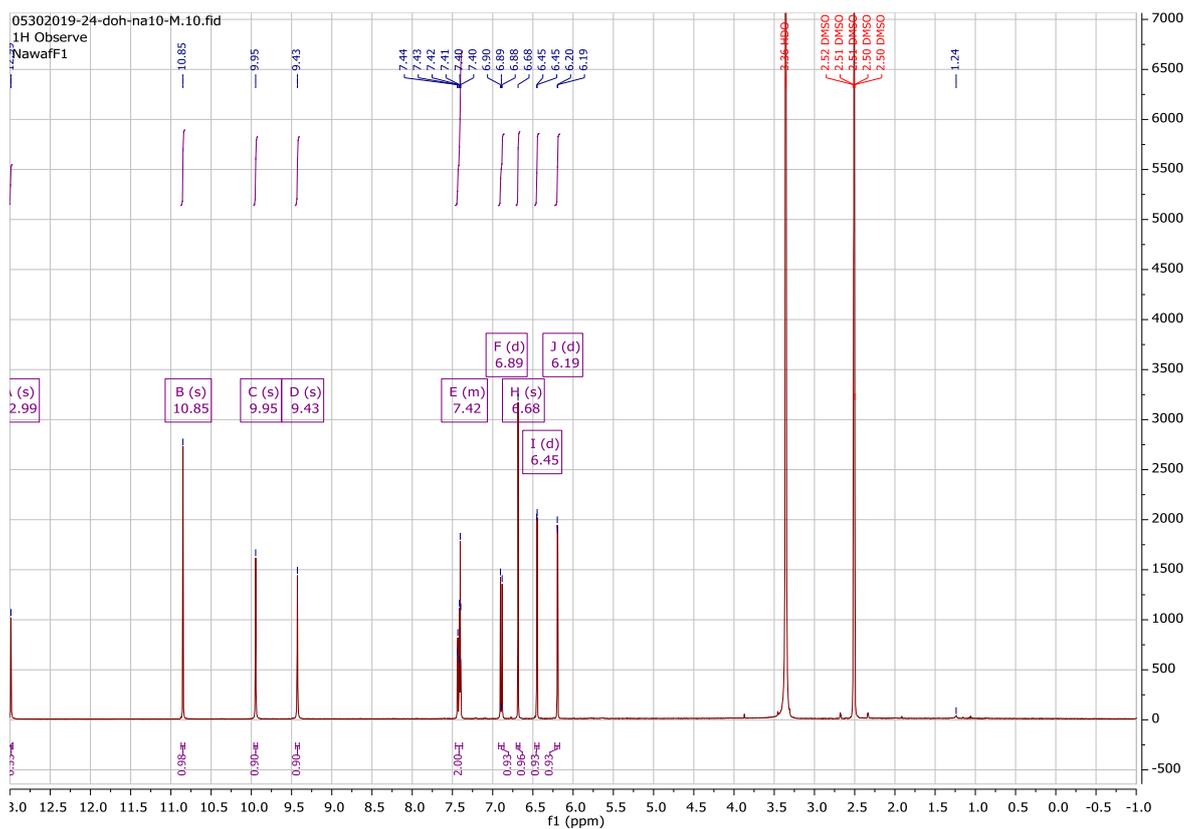


Figure S5. ^1H NMR spectrum of **2** in DMSO-d_6

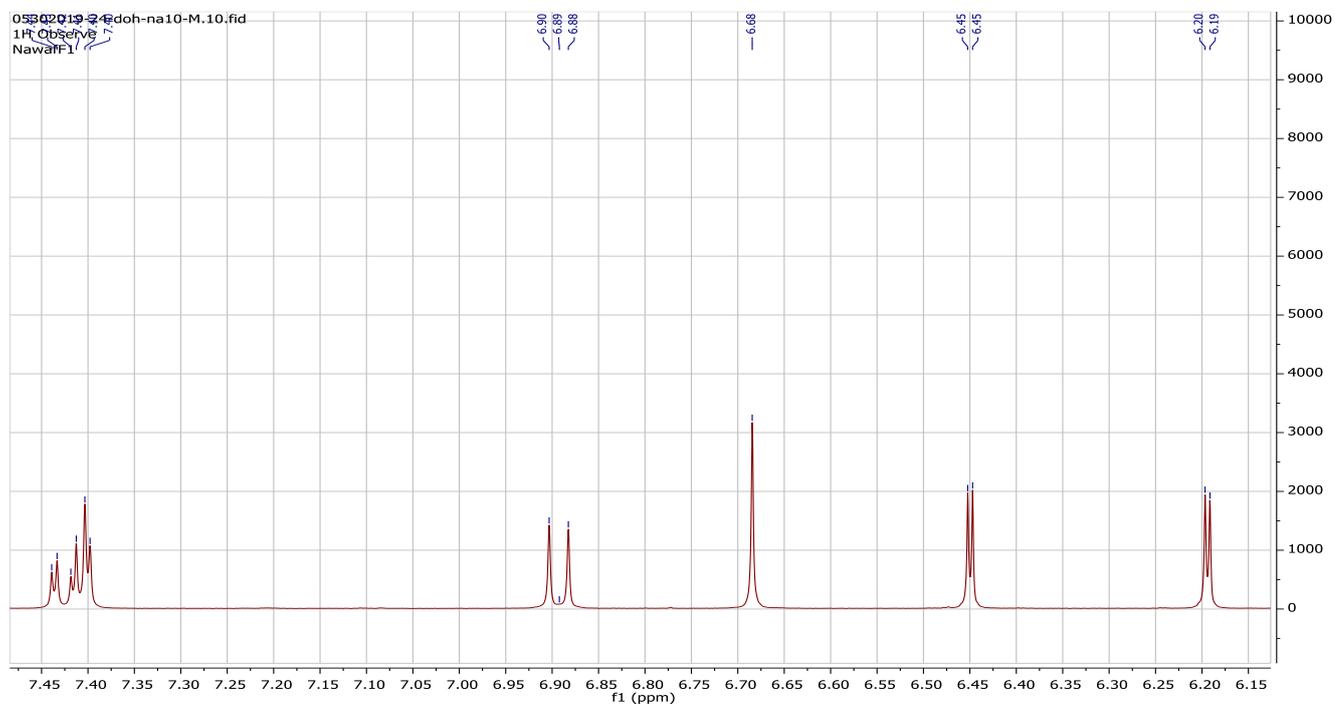


Figure S6. Expansion of the aromatic region of ^1H NMR spectrum of **2** in DMSO-d_6

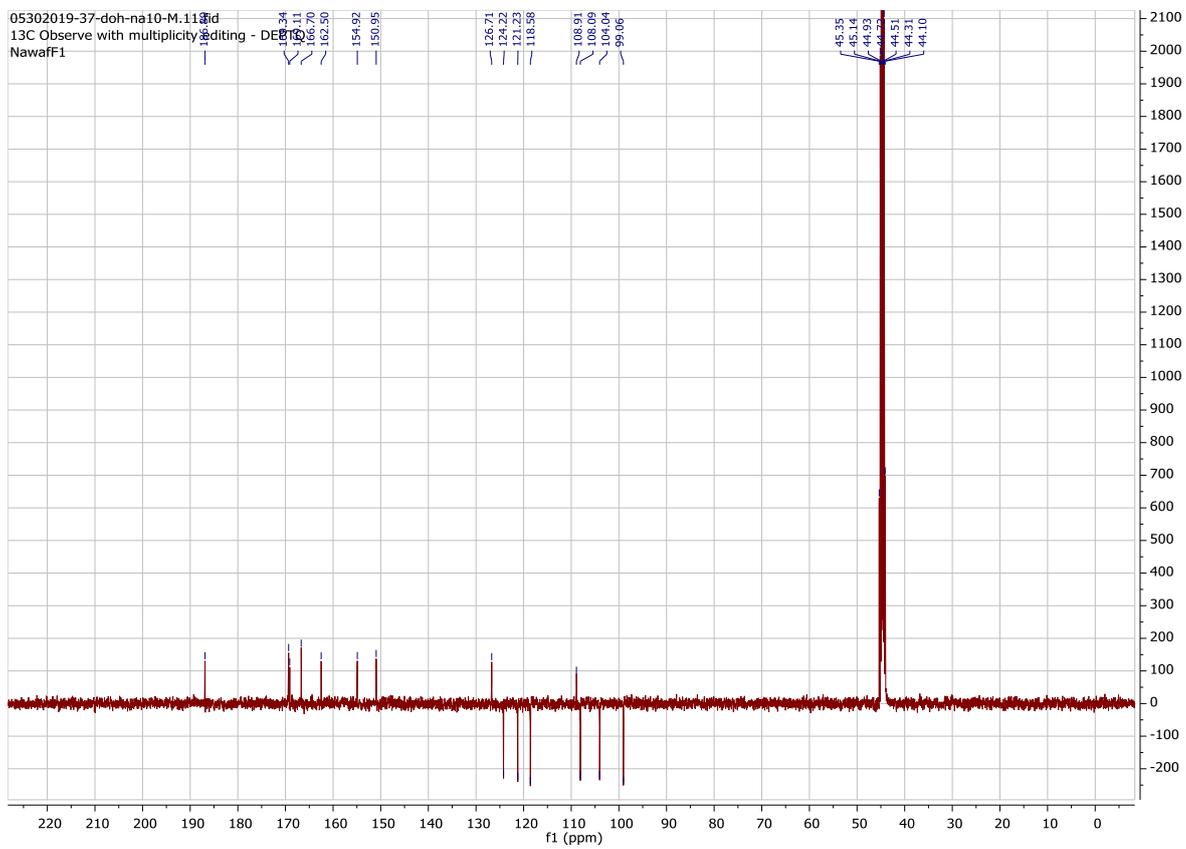


Figure S7. ^{13}C NMR (DEPT) spectrum of **2** in DMSO-d_6

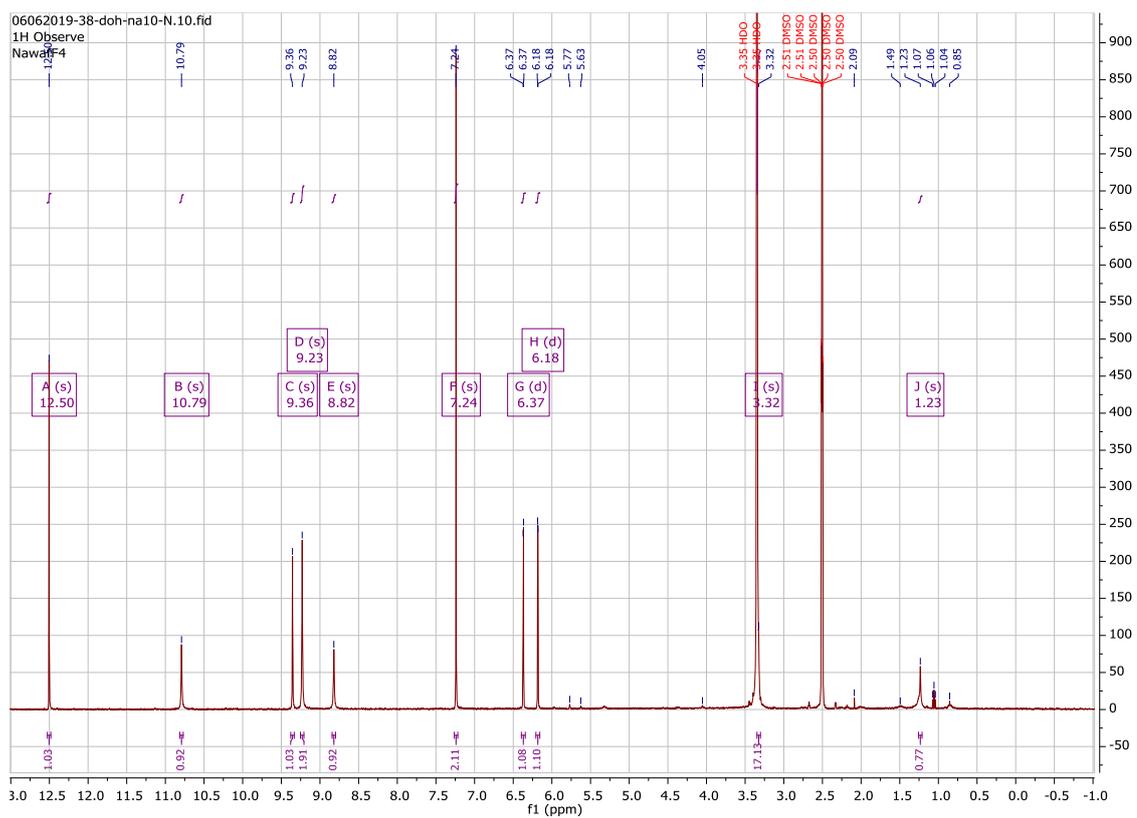


Figure S8. ^1H NMR spectrum of **3** in DMSO-d_6

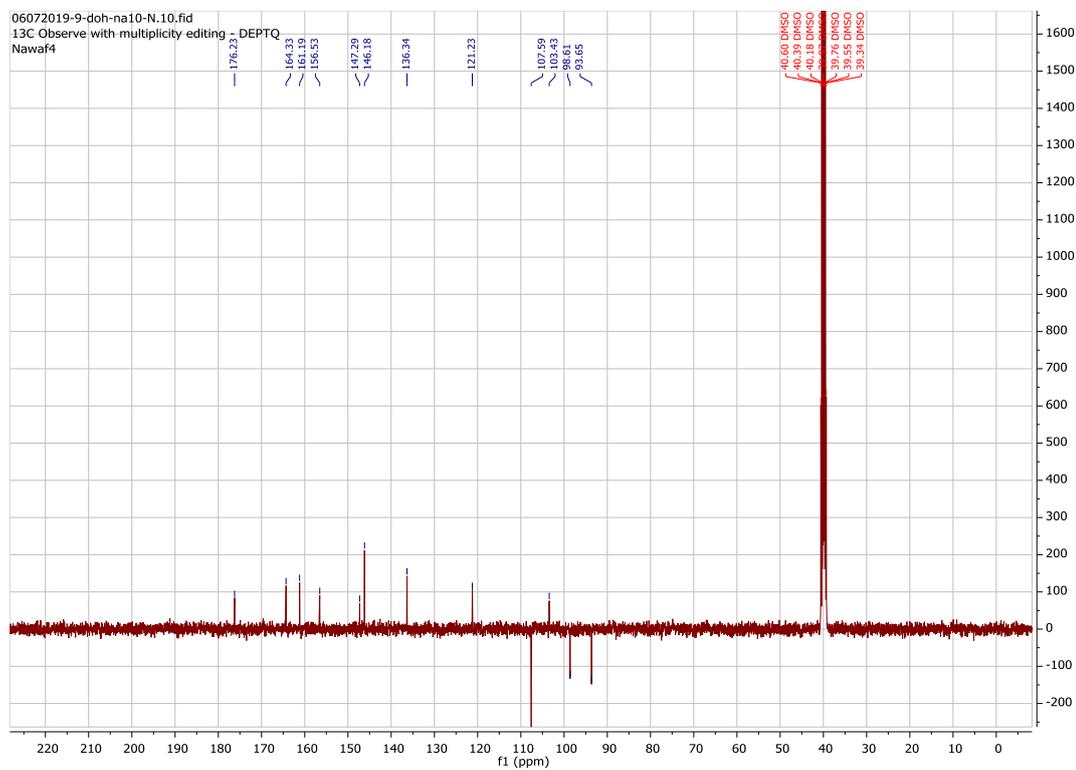


Figure S9. ^{13}C NMR (Dept) spectrum of **3** in DMSO-d_6

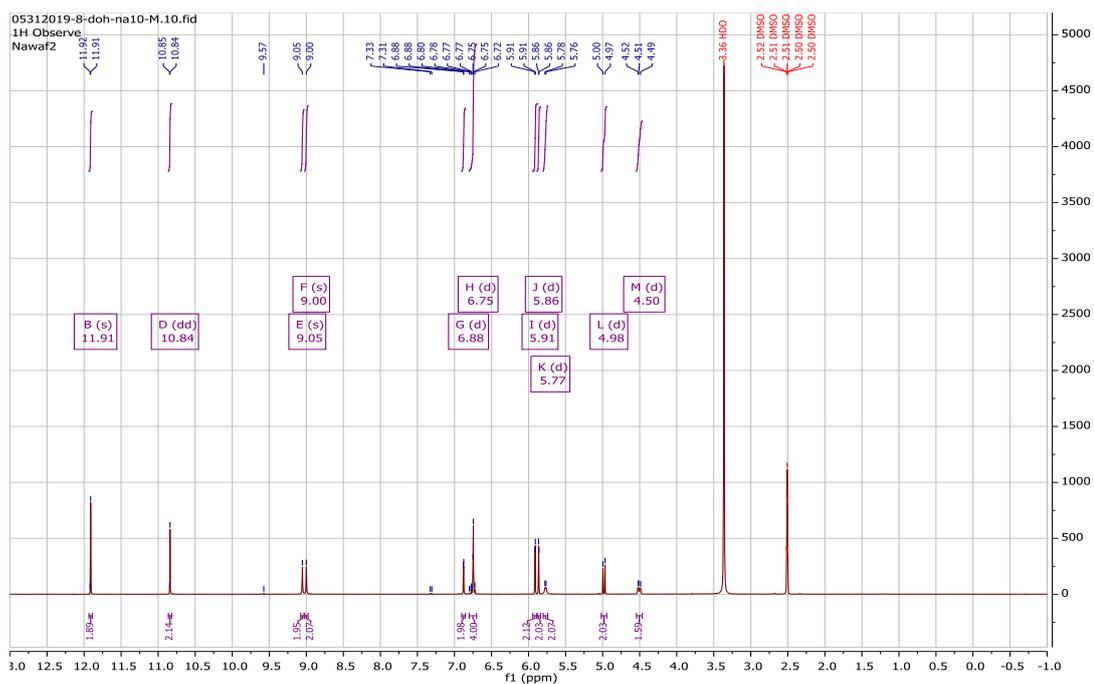


Figure S10. ¹H NMR spectrum of 4 in DMSO-d₆

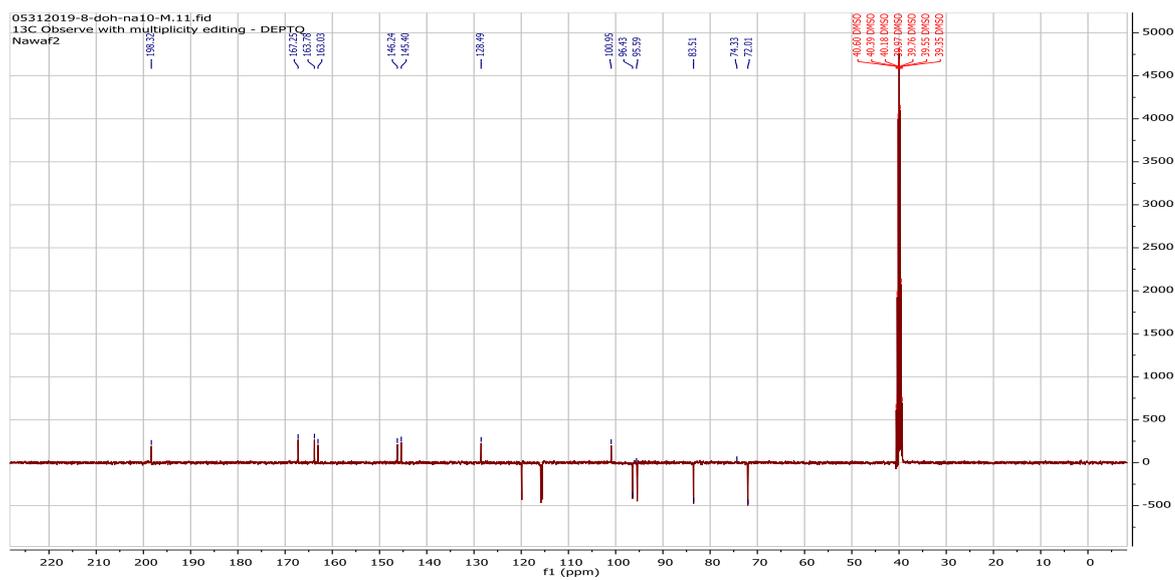


Figure S11. ¹³C NMR (DEPT) spectrum of 4 in DMSO-d₆

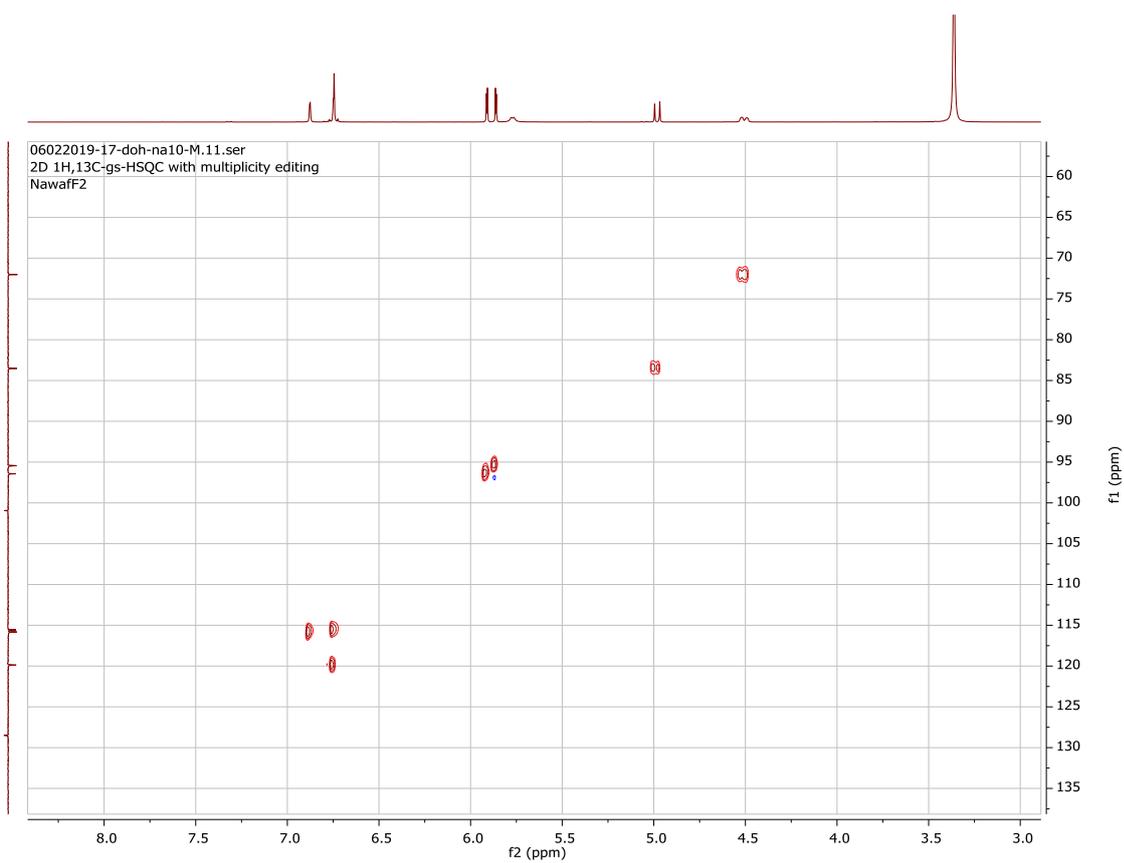


Figure S12. HSQC spectrum of **4** in DMSO-d₆

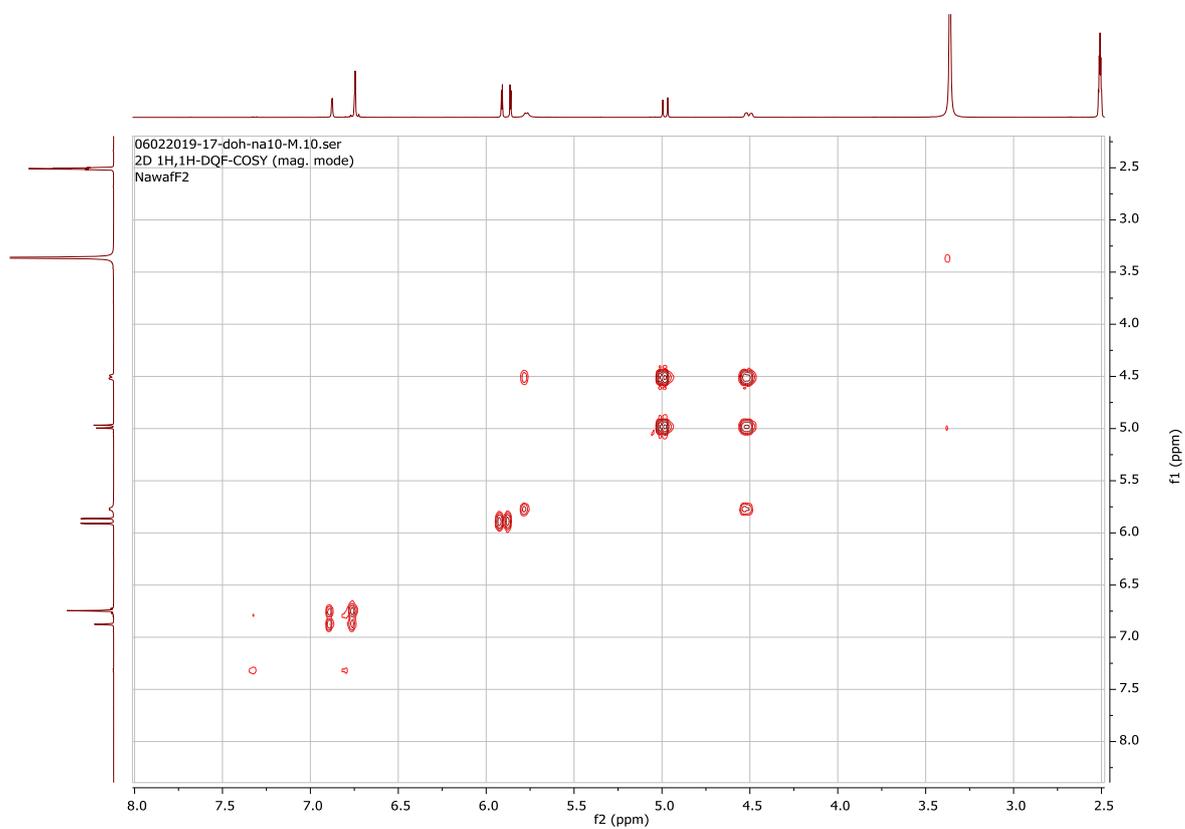


Figure S13. ¹H-¹H NMR spectrum of **4** in DMSO-d₆

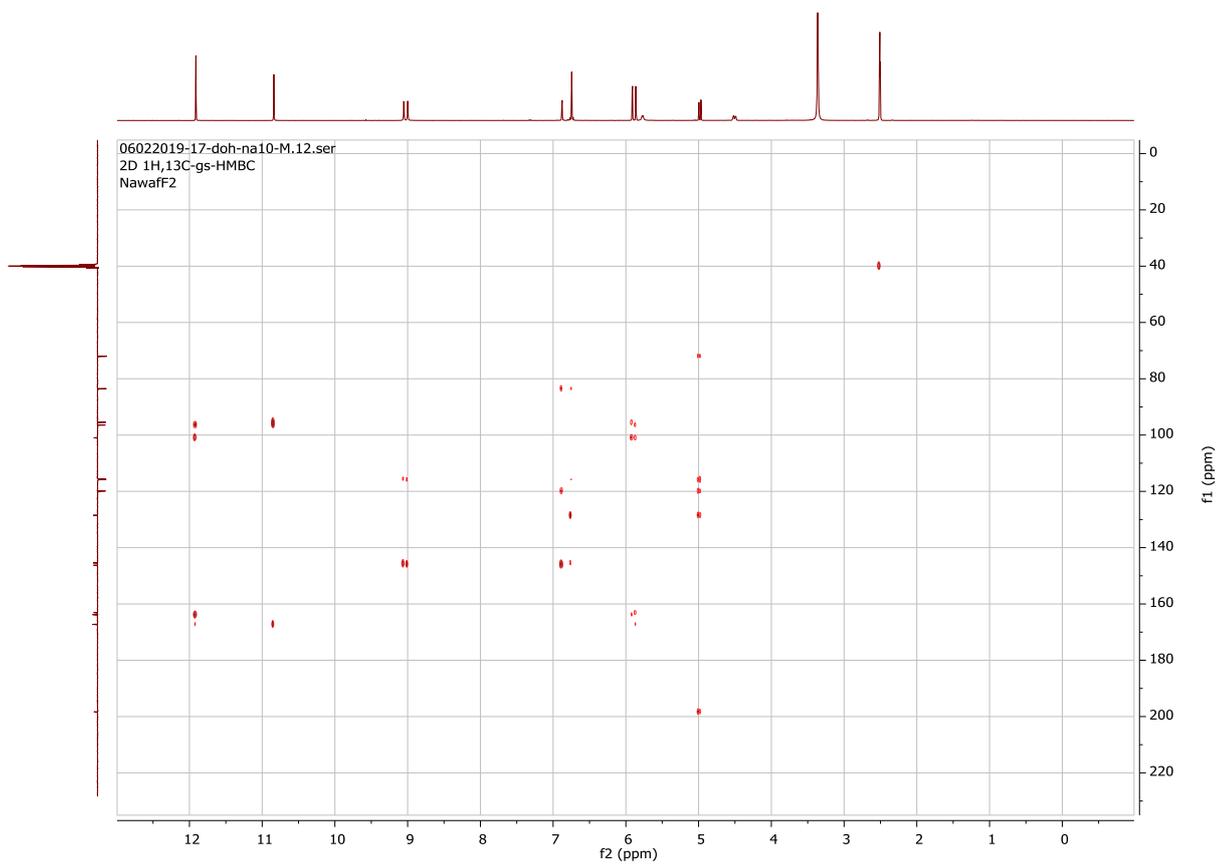


Figure S14. HMBC spectrum of **4** in DMSO-d₆