

Supplementary material to

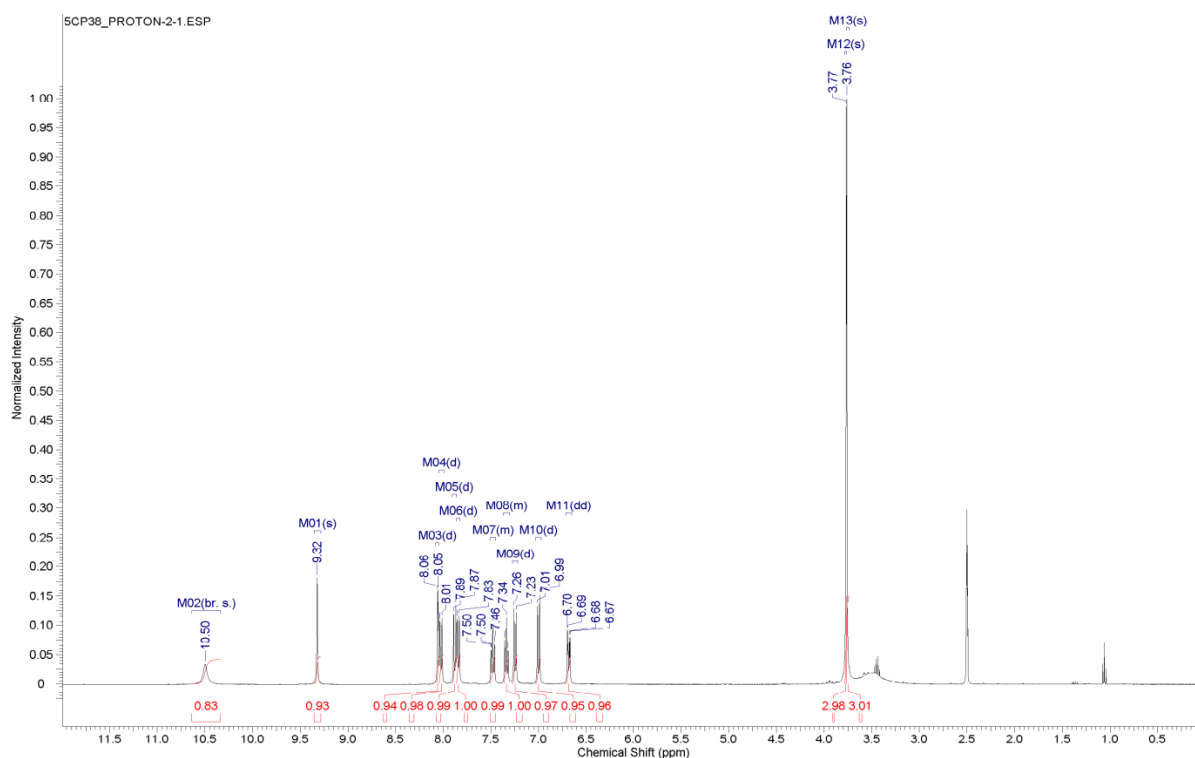
Antimicrobial and ADME properties of methoxylated, methylated and nitrated 2-hydroxynaphthalene-1 carboxanilidesLucia Vrablova¹, Tomas Gonec², Tereza Kauerova³, Michal Oravec⁴, Izabela Jendrzewska⁵, Peter Kollar³, Alois Cizek⁶ and Josef Jampilek^{1,7}¹Department of Analytical Chemistry, Faculty of Natural Sciences, Comenius University, Ilkovicova 6, 84215 Bratislava, Slovakia²Department of Chemical Drugs, Faculty of Pharmacy, Masaryk University, Palackeho tr. 1946/1, 61200 Brno, Czech Republic³Department of Pharmacology and Toxicology, Faculty of Pharmacy, Masaryk University, Palackeho tr. 1946/1, 61200 Brno, Czech Republic⁴Global Change Research Institute CAS, Belidla 986/4a, 60300 Brno, Czech Republic⁵Institute of Chemistry, University of Silesia, Bankowa 12, 40007 Katowice, Poland⁶Department of Infectious Diseases and Microbiology, Faculty of Veterinary Medicine, University of Veterinary Sciences Brno, Palackeho tr. 1946/1, 61242 Brno, Czech Republic⁷Department of Chemical Biology, Faculty of Science, Palacky University Olomouc, Slechtitelu 27, 77900 Olomouc, Czech RepublicADMET & DMPK **13(1)** (2025) 2642; <https://doi.org/10.5599/admet.2642>

Figure S1. ¹H-NMR (DMSO-*d*₆) spectrum of N-(2,5-dimethoxyphenyl)-2-hydroxynaphthalene-1-carboxamide (5)

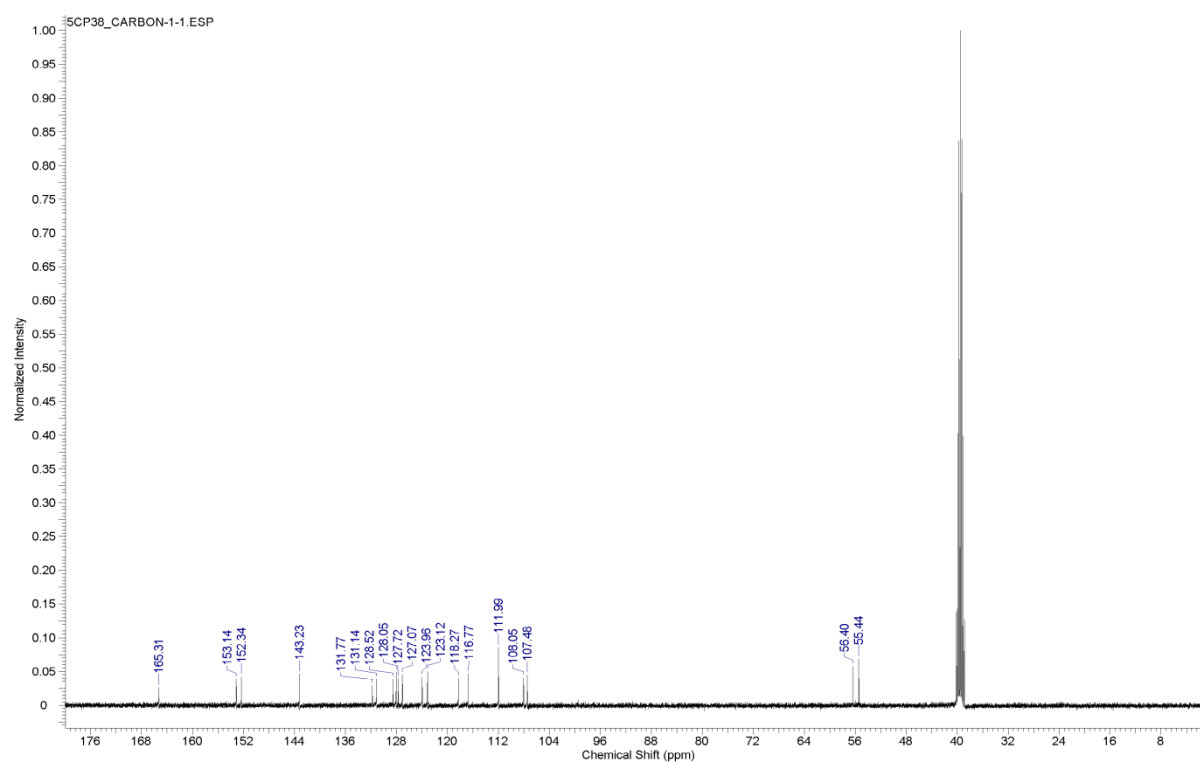


Figure S2. ^{13}C -NMR ($\text{DMSO-}d_6$) spectrum of *N*-(2,5-dimethoxyphenyl)-2-hydroxynaphthalene-1-carboxamide (**5**)

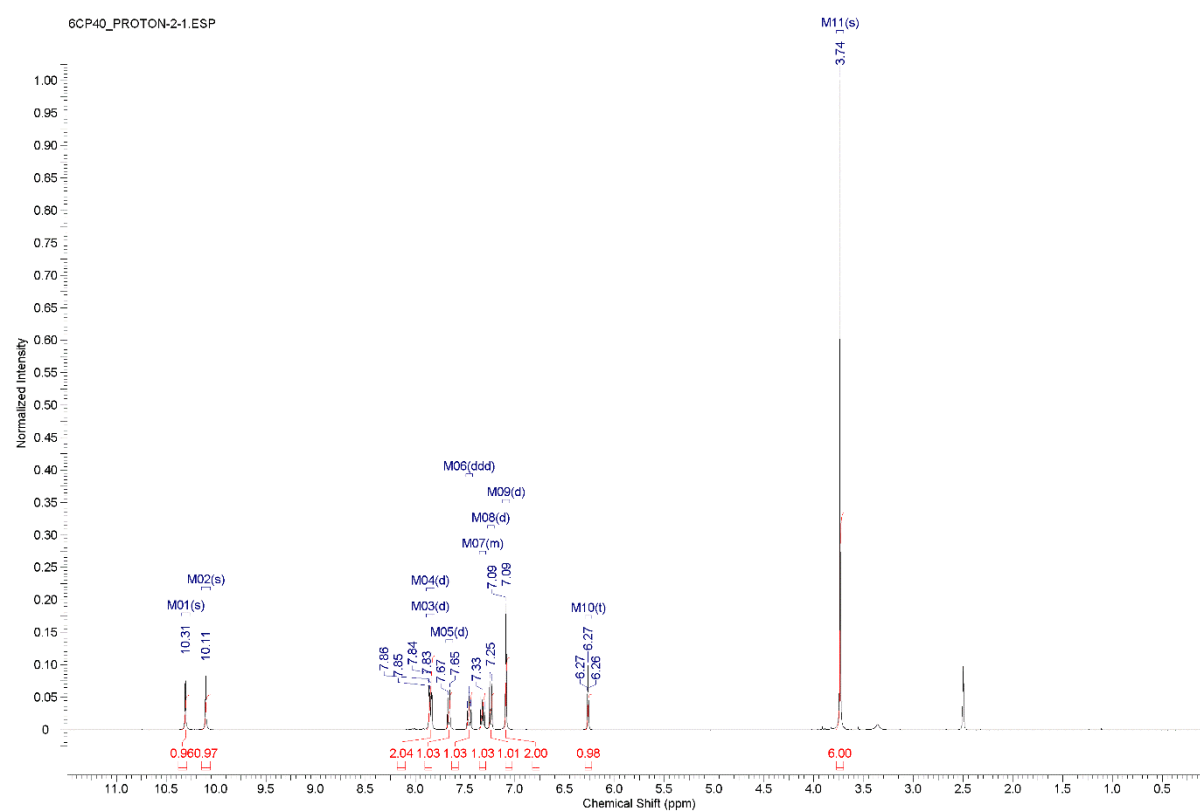


Figure S3. ^1H -NMR ($\text{DMSO-}d_6$) spectrum of *N*-(3,5-dimethoxyphenyl)-2-hydroxynaphthalene-1-carboxamide (**6**)

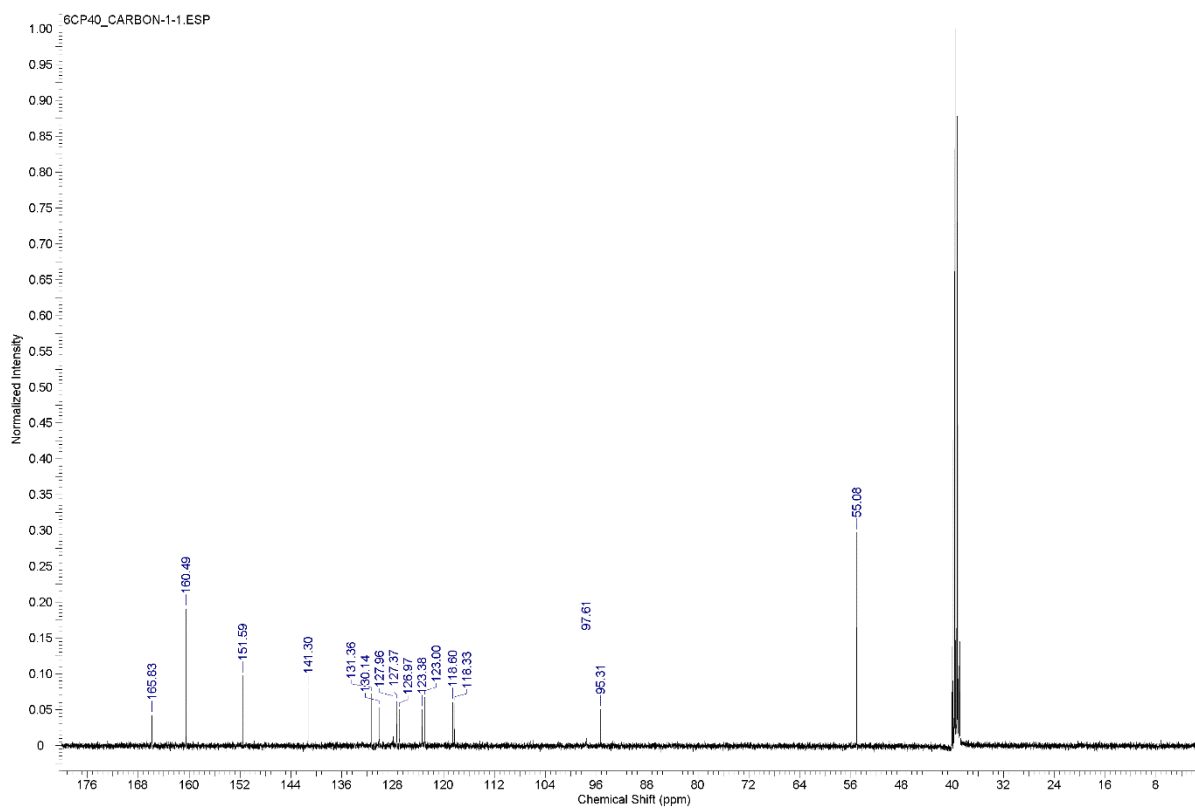


Figure S4. ^{13}C -NMR (DMSO- d_6) spectrum of *N*-(3,5-dimethoxyphenyl)-2-hydroxynaphthalene-1-carboxamide (6)

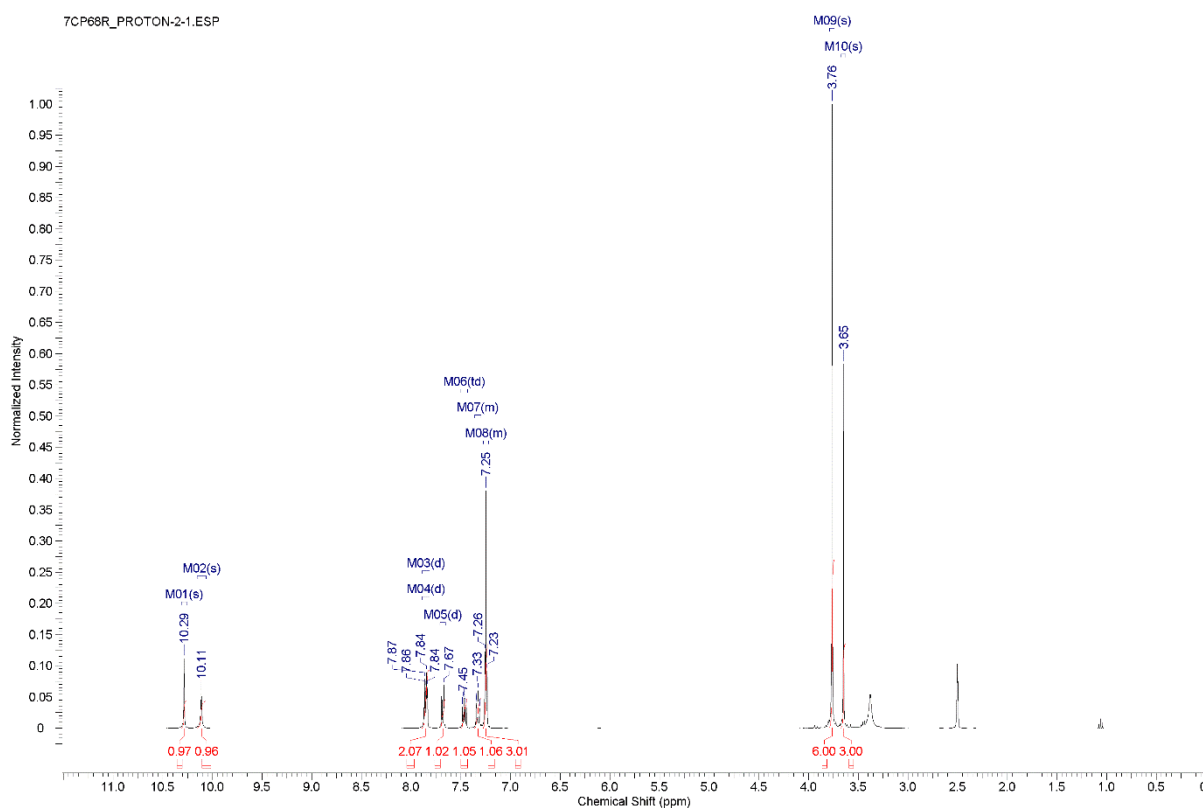


Figure S5. ^1H -NMR (DMSO- d_6) spectrum of 2-hydroxy-*N*-(3,4,5-trimethoxyphenyl)naphthalene-1-carboxamide (7)

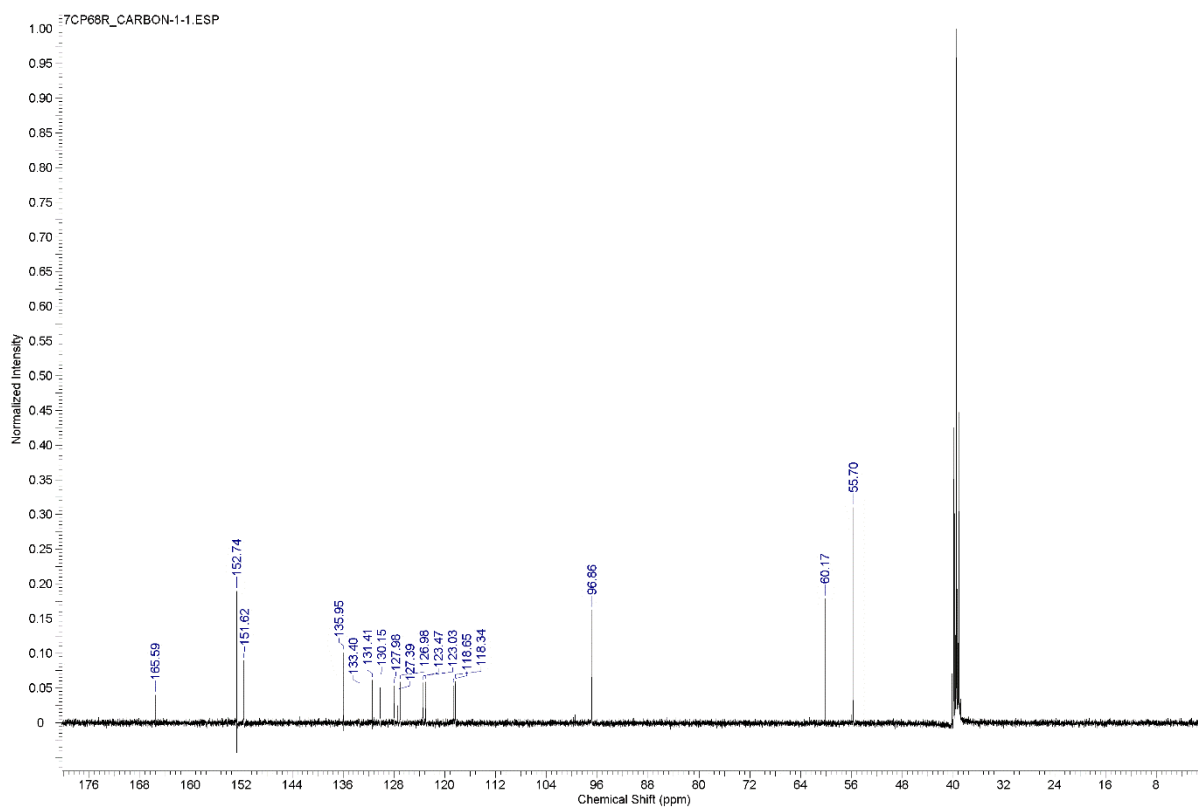


Figure S6. ^{13}C -NMR (DMSO- d_6) spectrum of 2-hydroxy-*N*-(3,4,5-trimethoxyphenyl)naphthalene-1-carboxamide (**7**)

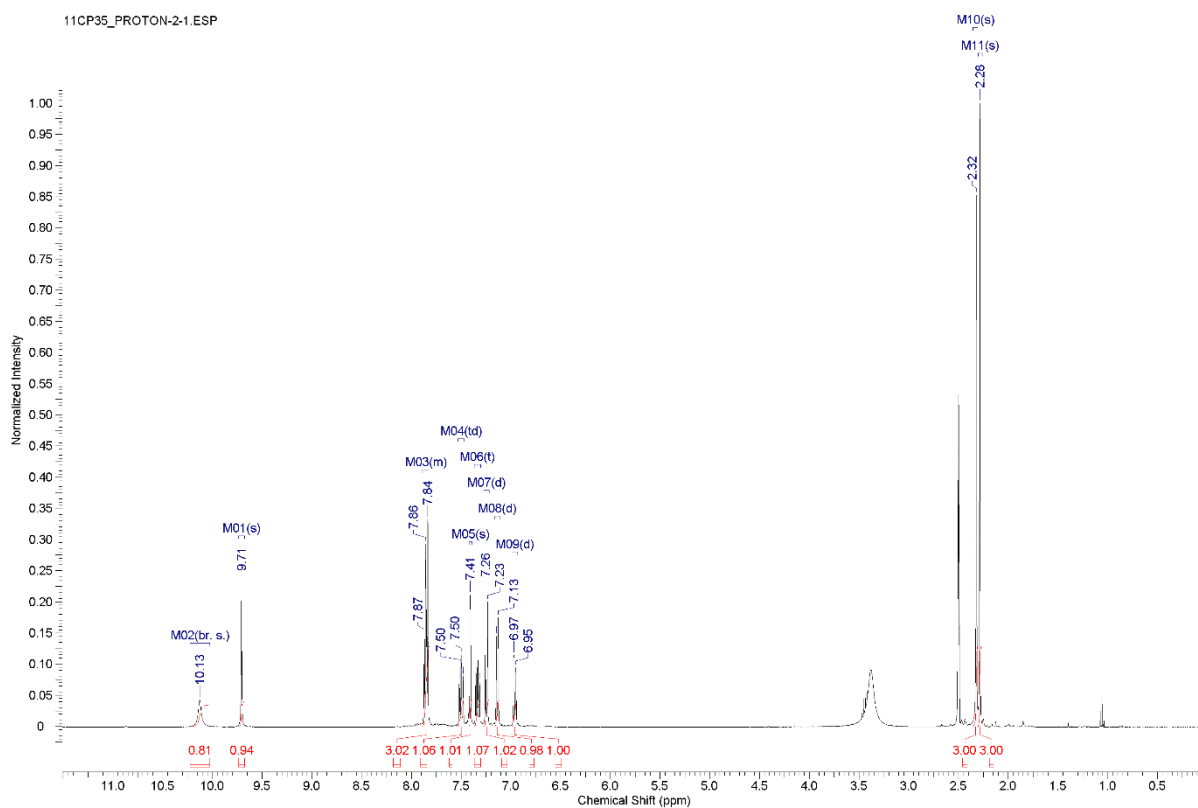


Figure S7. ^1H -NMR (DMSO- d_6) spectrum of *N*-(2,5-dimethylphenyl)-2-hydroxynaphthalene-1-carboxamide (**11**)

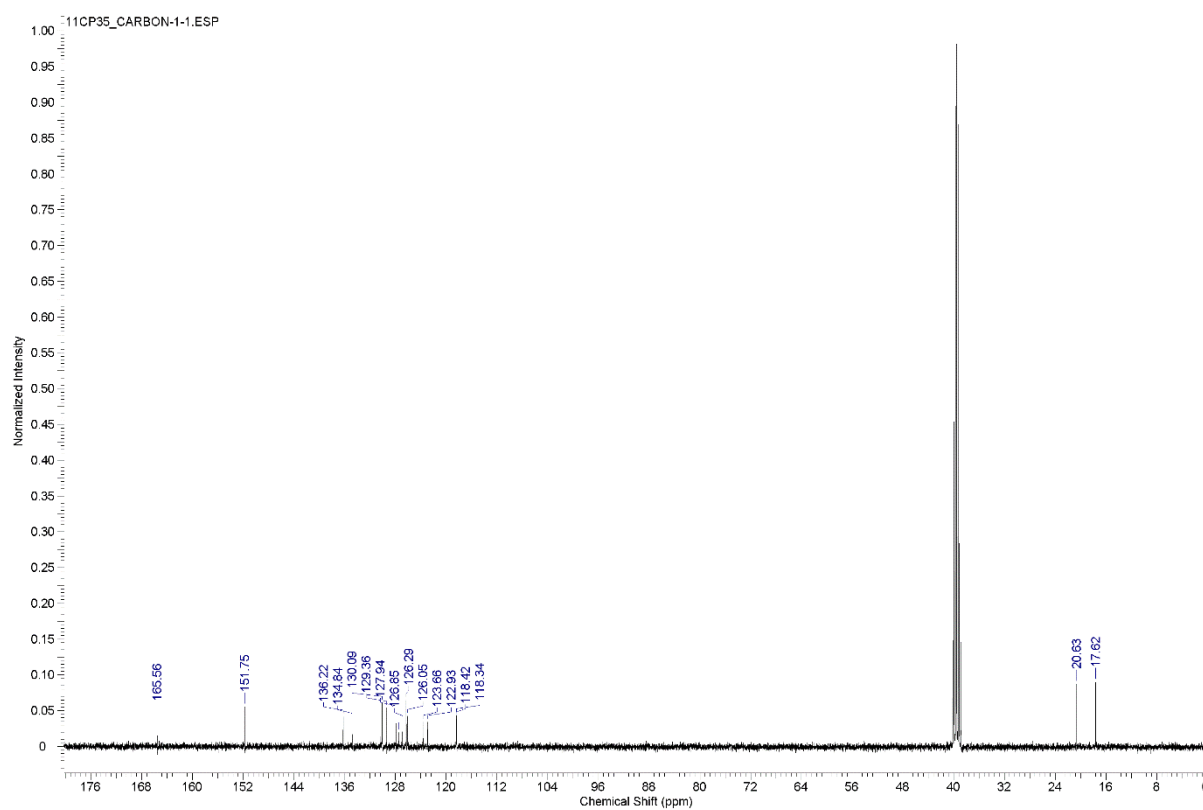


Figure S8. ¹³C-NMR (DMSO-*d*₆) spectrum of *N*-(2,5-dimethylphenyl)-2-hydroxynaphthalene-1-carboxamide (**11**)

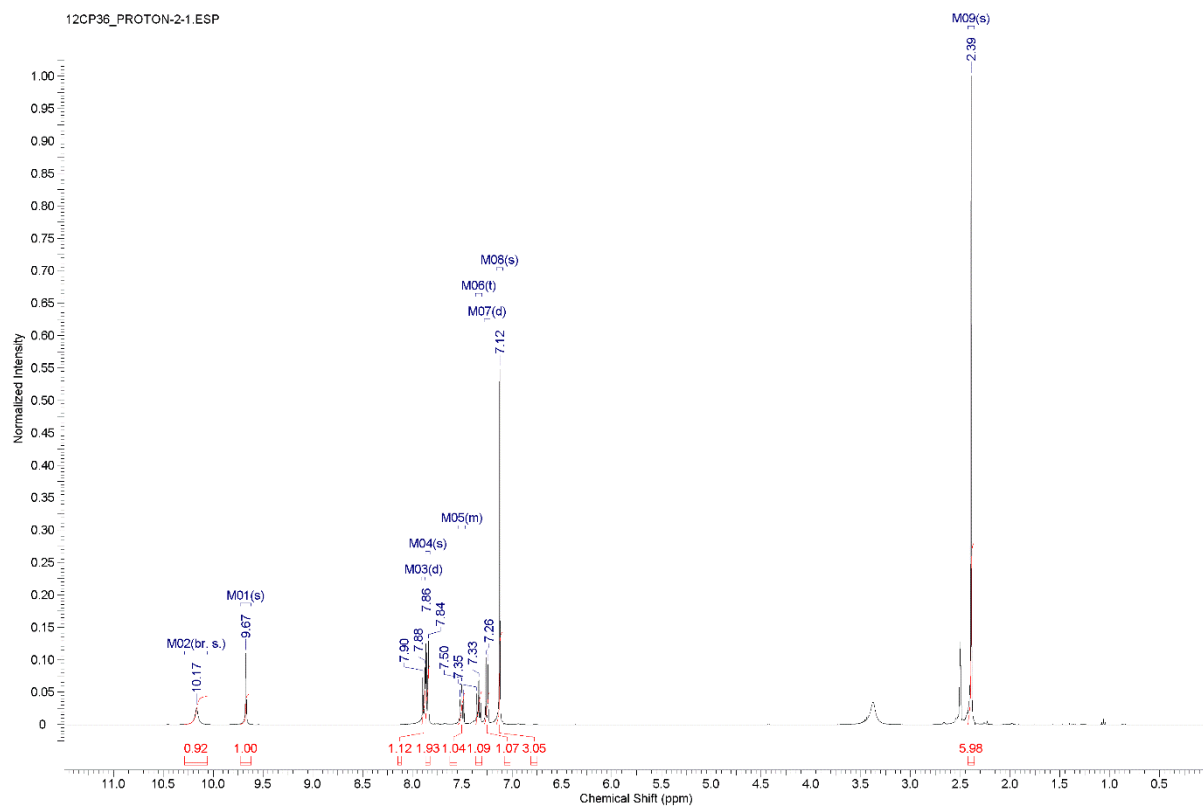


Figure S9. ¹H-NMR (DMSO-*d*₆) spectrum of *N*-(2,6-dimethylphenyl)-2-hydroxynaphthalene-1-carboxamide (**12**)

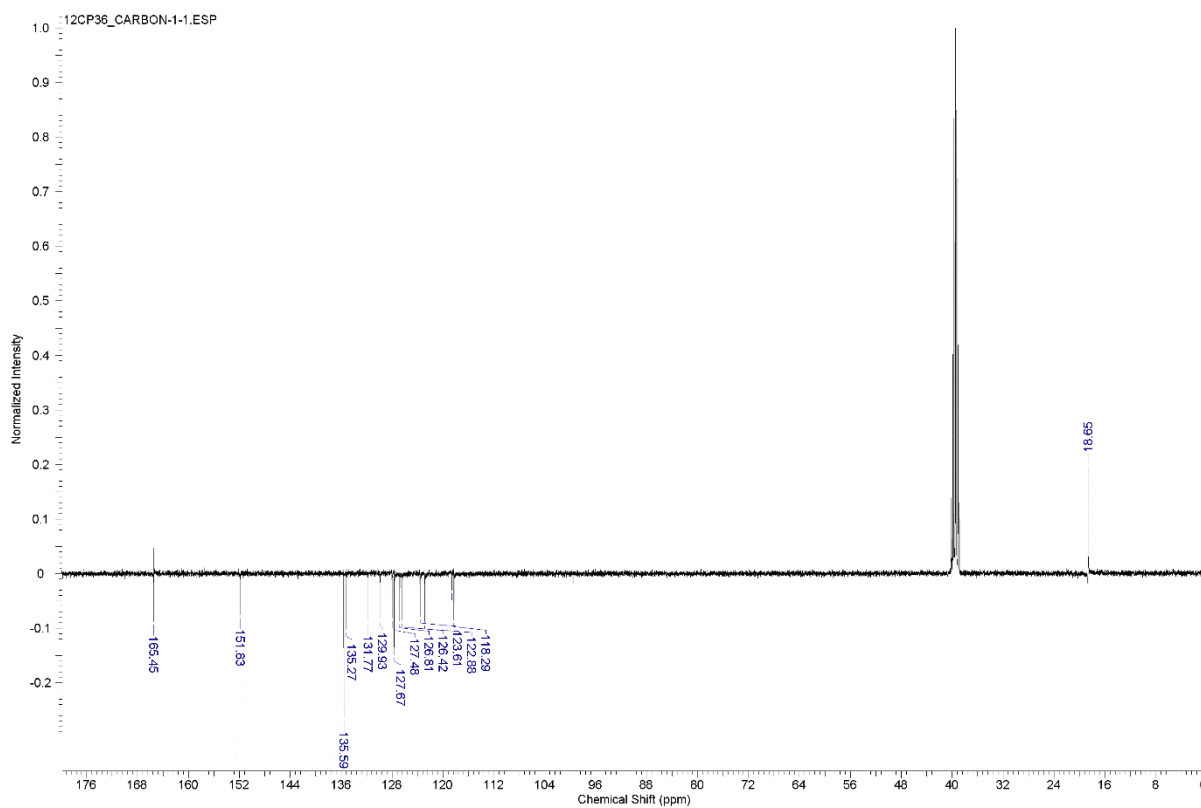


Figure S10. ¹³C-NMR (DMSO-*d*₆) spectrum of *N*-(2,6-dimethylphenyl)-2-hydroxynaphthalene-1-carboxamide (**12**)

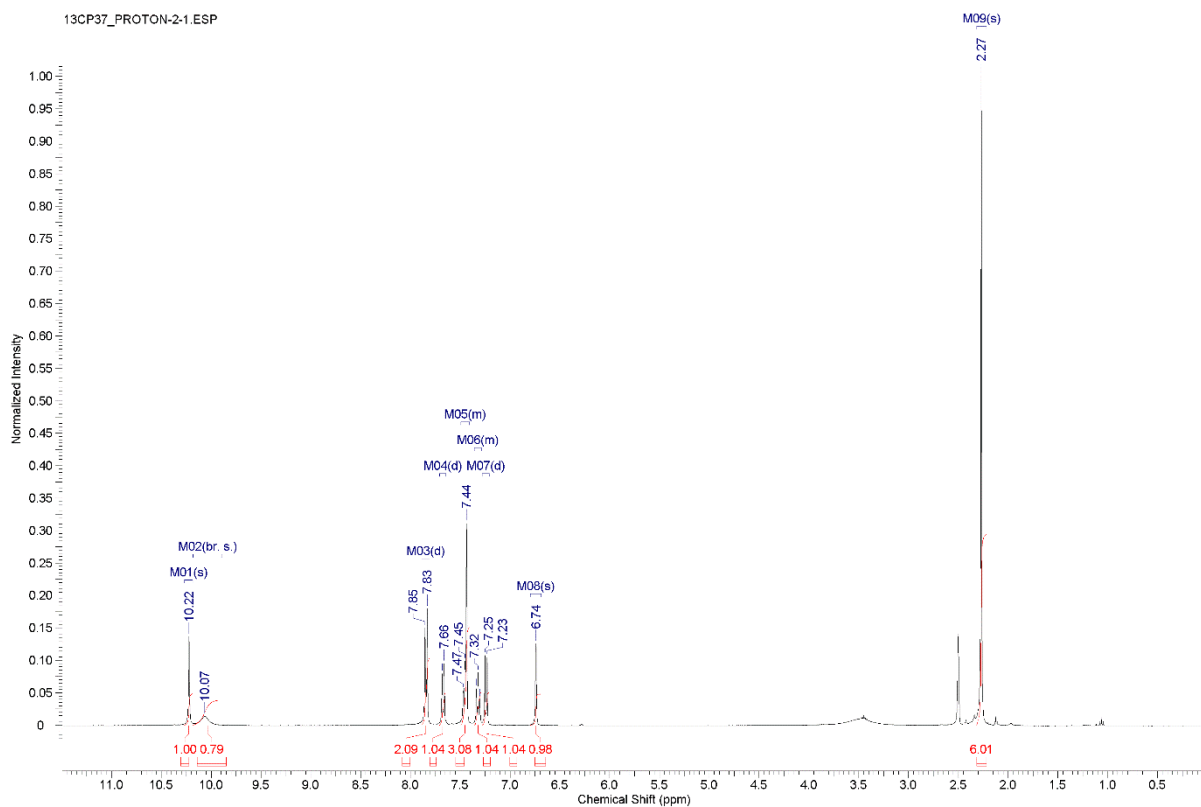


Figure S11. ¹H-NMR (DMSO-*d*₆) spectrum of *N*-(3,5-dimethylphenyl)-2-hydroxynaphthalene-1-carboxamide (**13**)

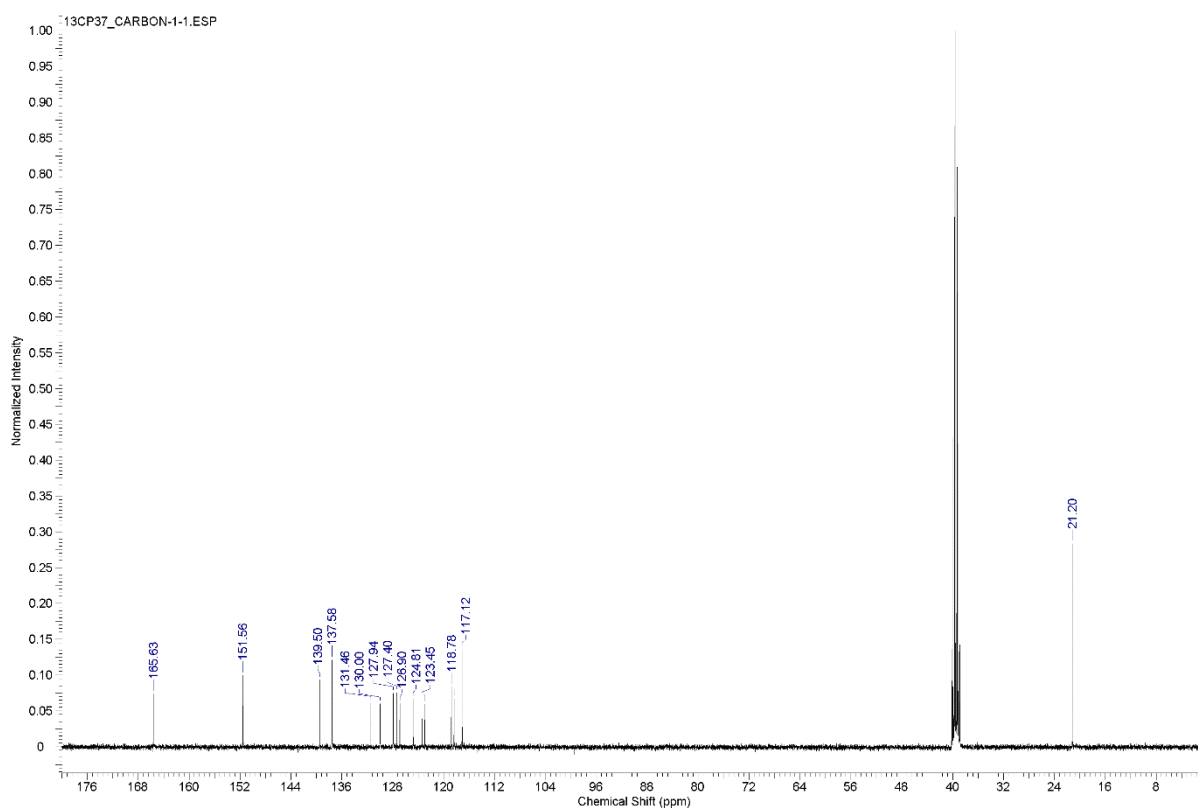


Figure S12. ¹³C-NMR (DMSO-*d*₆) spectrum of *N*-(3,5-dimethylphenyl)-2-hydroxynaphthalene-1-carboxamide (**13**)

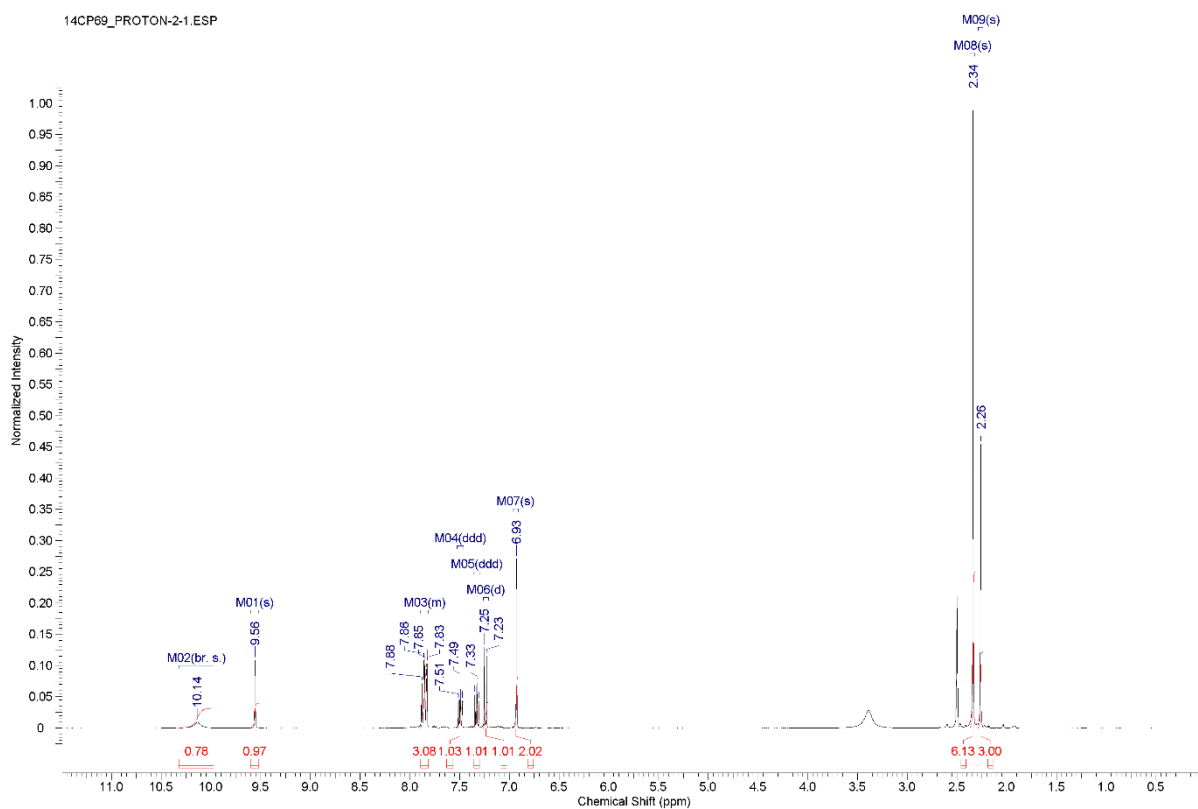


Figure S13. ¹H-NMR (DMSO-*d*₆) spectrum of 2-hydroxy-*N*-(2,4,6-trimethylphenyl)naphthalene-1-carboxamide (**14**)

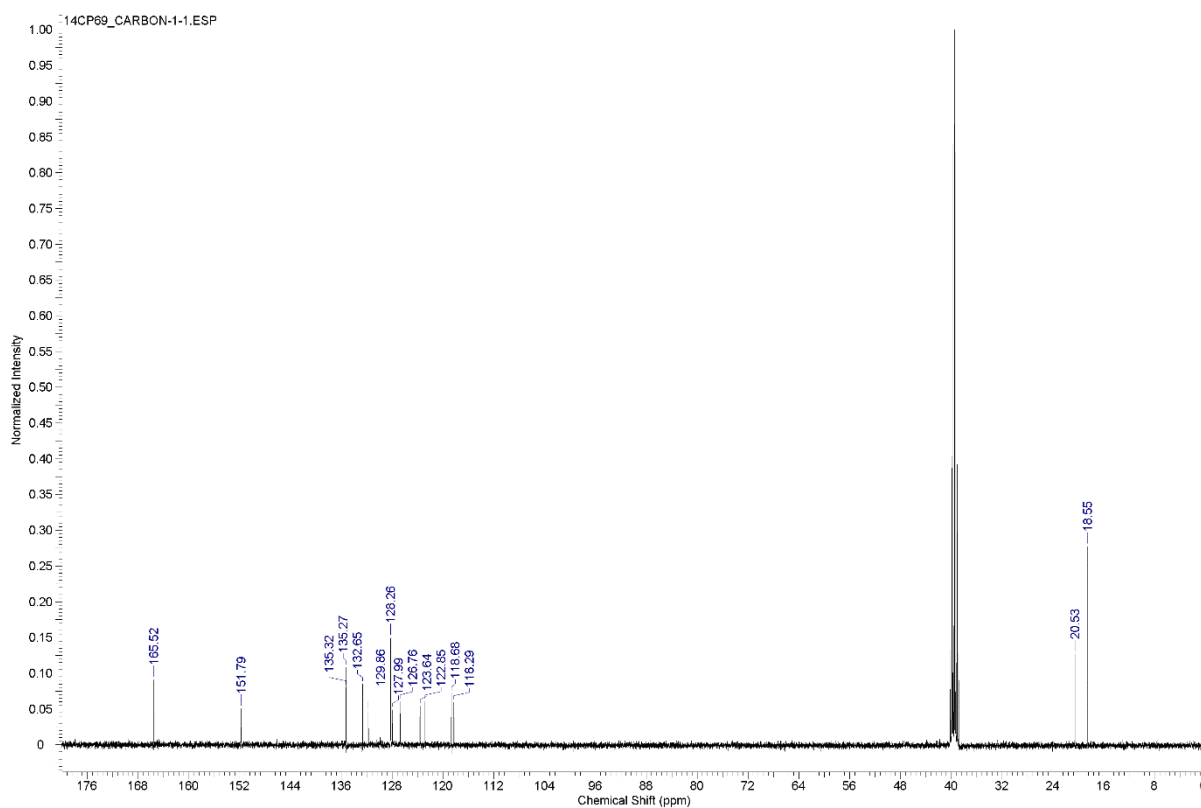


Figure S14. ¹³C-NMR (DMSO-*d*₆) spectrum of 2-hydroxy-*N*-(2,4,6-trimethylphenyl)naphthalene-1-carboxamide (**14**)

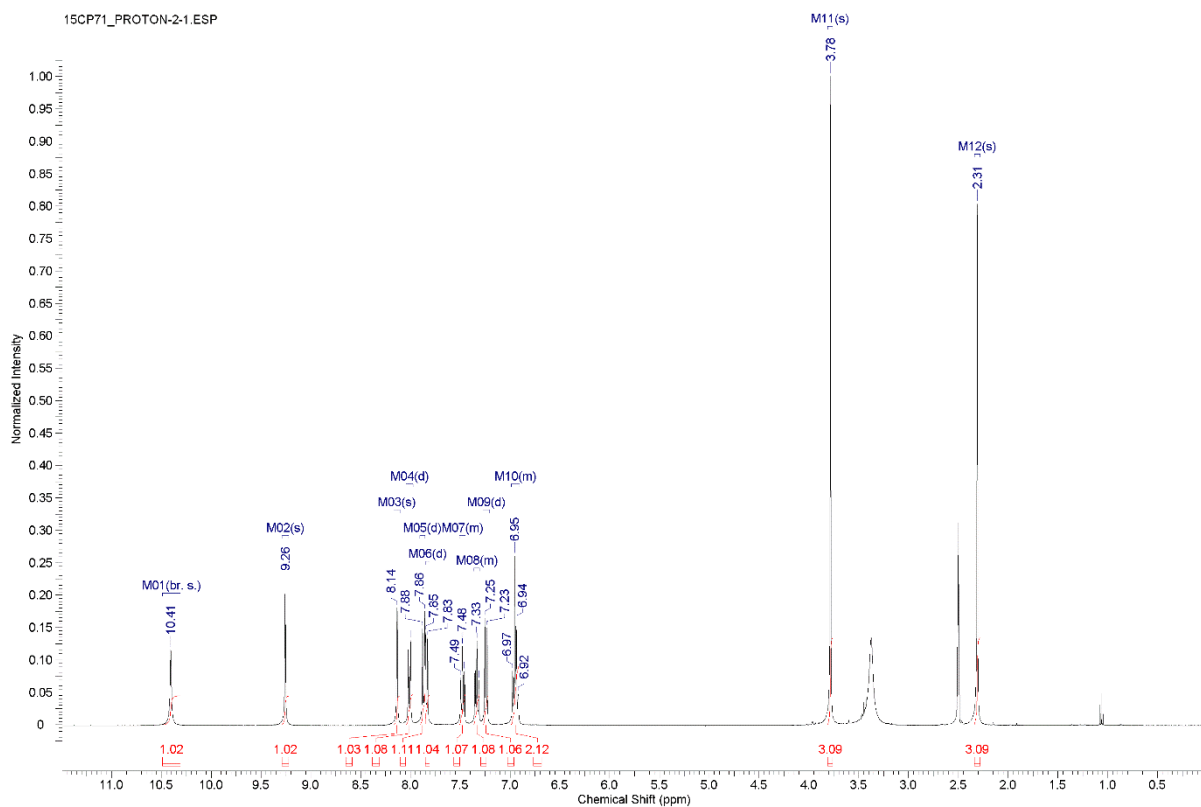


Figure S15. ¹H-NMR (DMSO-*d*₆) spectrum of 2-hydroxy-*N*-(2-methoxy-5-methylphenyl)naphthalene-1-carboxamide (**15**)

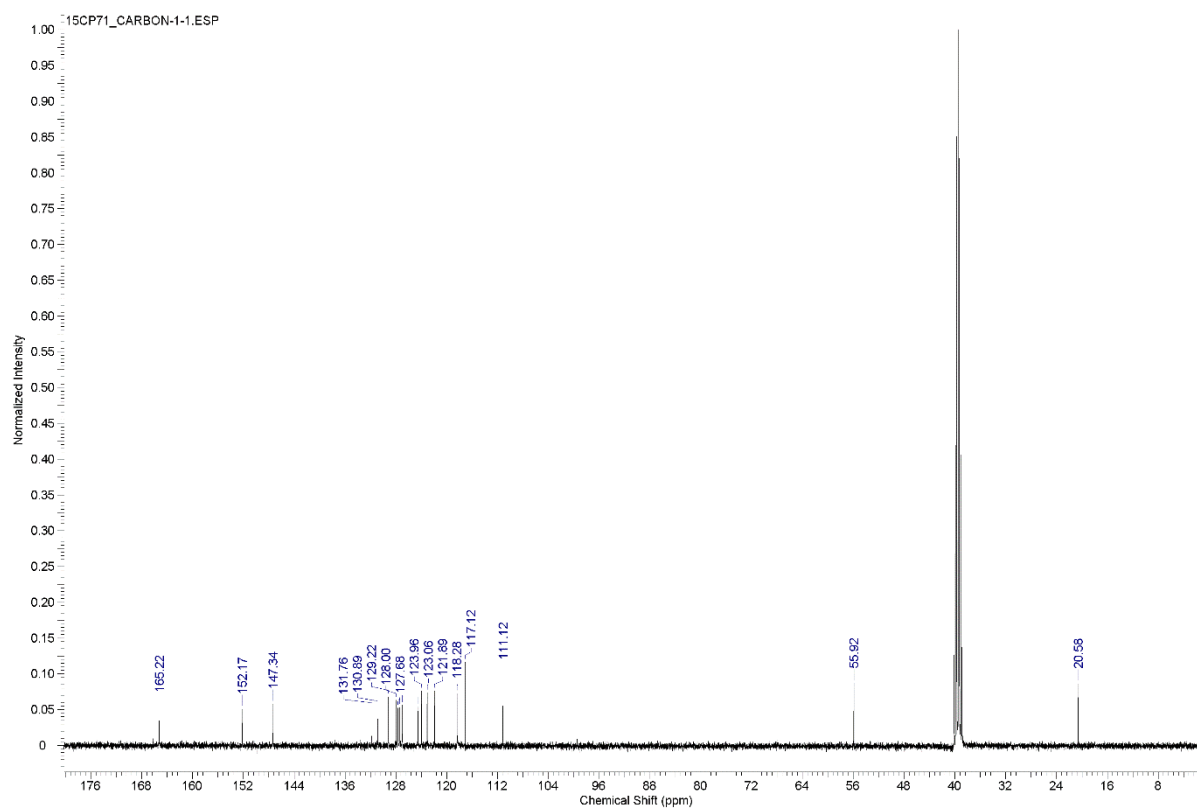


Figure S16. ^{13}C -NMR (DMSO- d_6) spectrum of 2-hydroxy-*N*-(2-methoxy-5-methylphenyl)naphthalene-1-carboxamide (**15**)

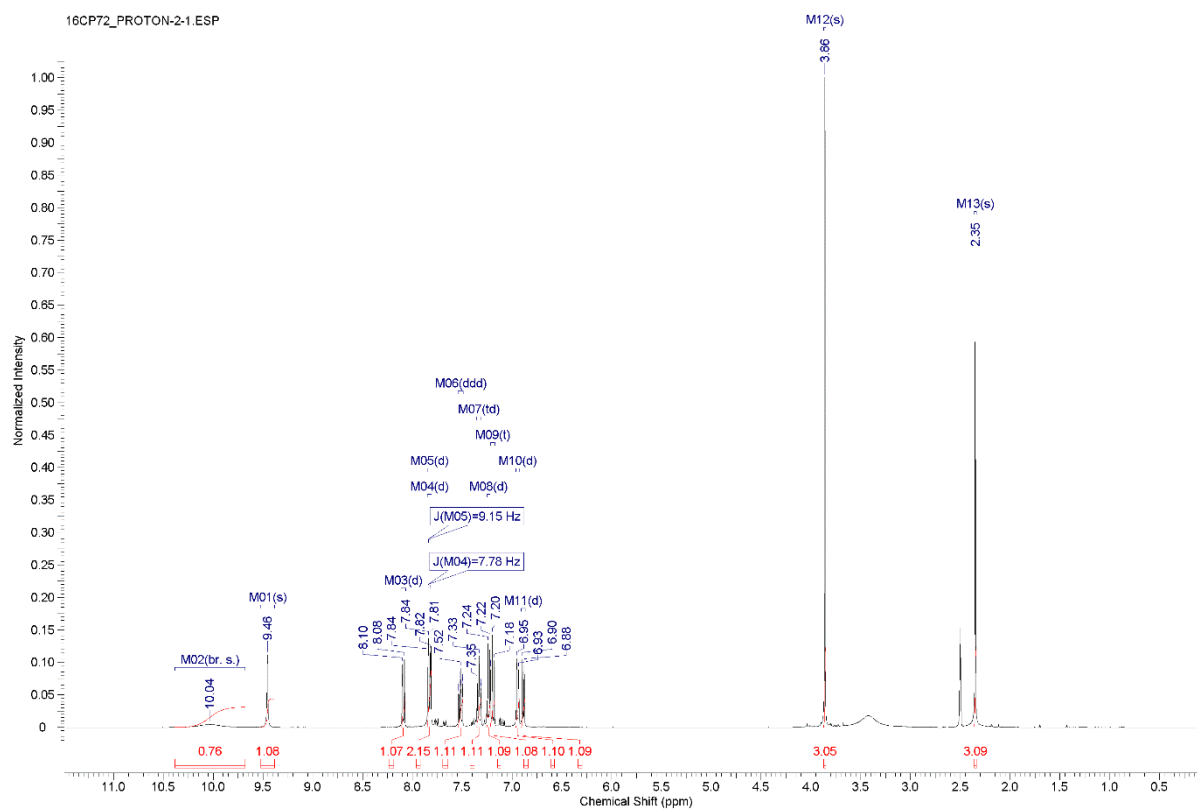


Figure S17. ^1H -NMR (DMSO- d_6) spectrum of 2-hydroxy-*N*-(2-methoxy-6-methylphenyl)naphthalene-1-carboxamide (**16**)

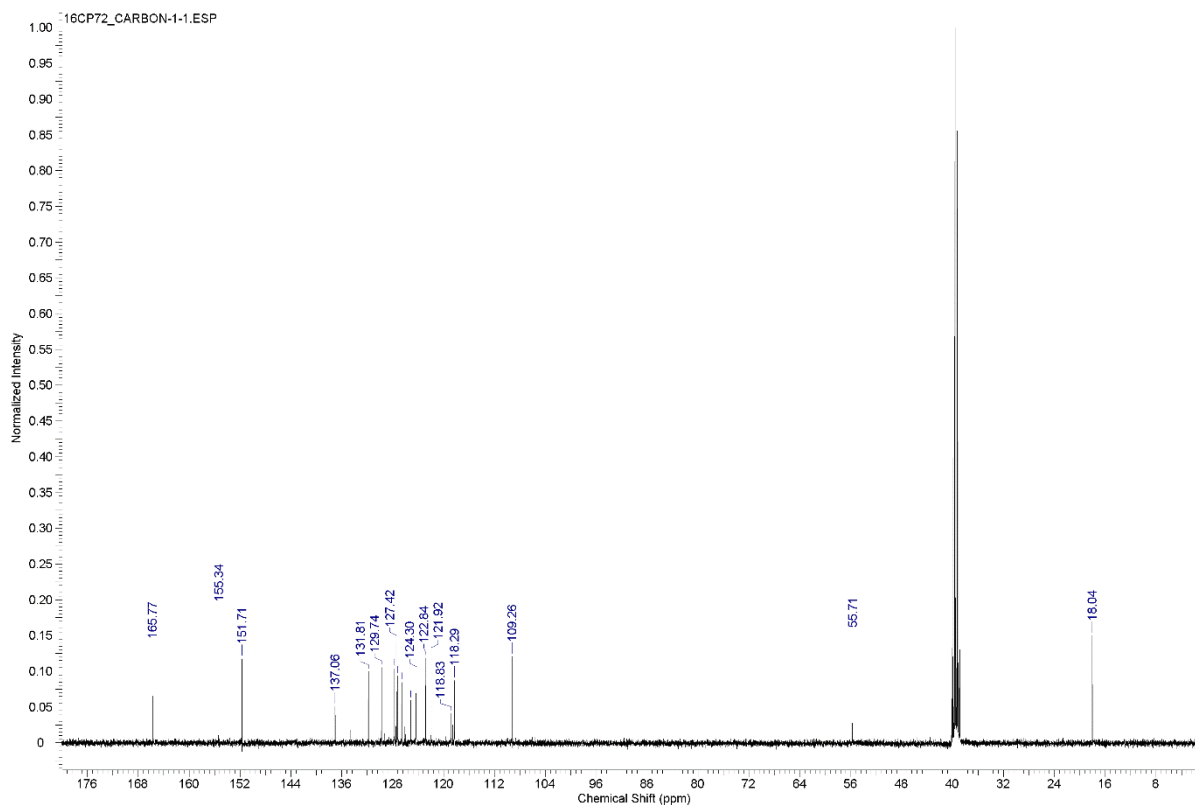


Figure S18. ¹³C-NMR (DMSO-*d*₆) spectrum of 2-hydroxy-*N*-(2-methoxy-6-methylphenyl)naphthalene-1-carboxamide (**16**)

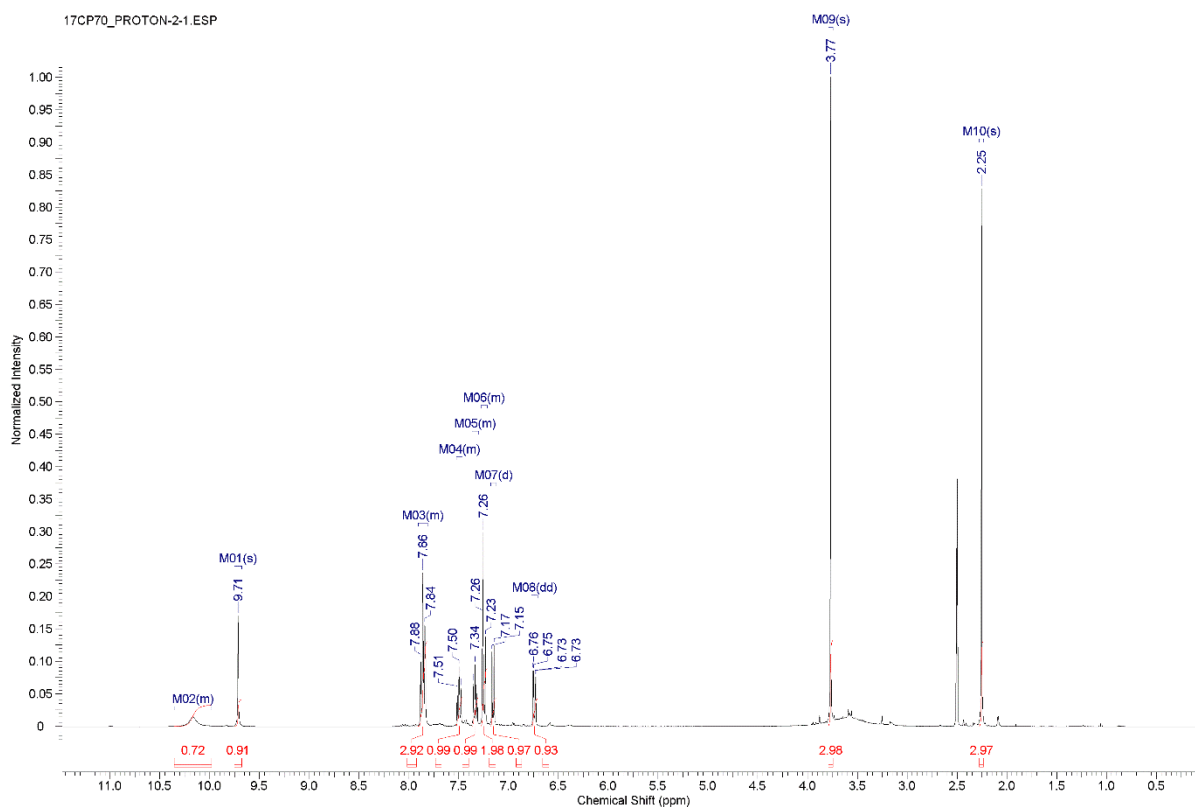


Figure S19. ¹H-NMR (DMSO-*d*₆) spectrum of 2-hydroxy-*N*-(5-methoxy-2-methylphenyl)naphthalene-1-carboxamide (**17**)

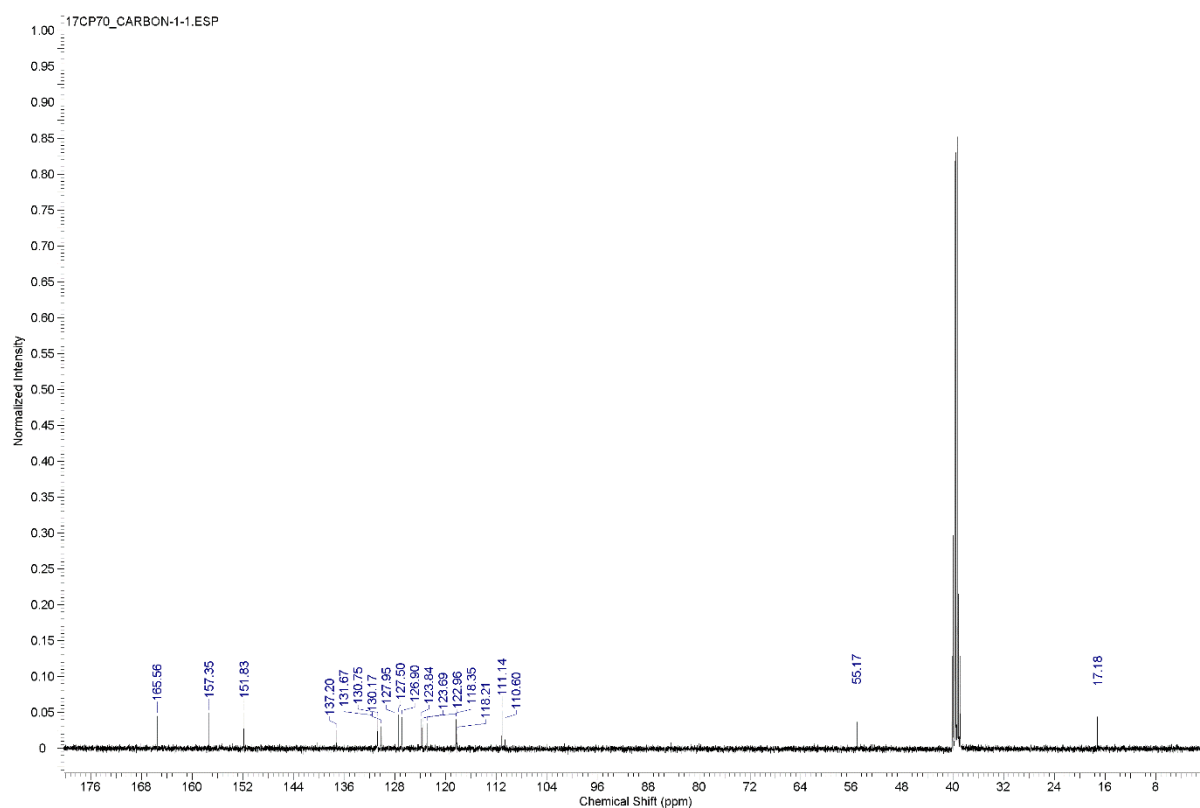


Figure S20. ^{13}C -NMR ($\text{DMSO}-d_6$) spectrum of 2-hydroxy-*N*-(5-methoxy-2-methylphenyl)naphthalene-1-carboxamide (**17**)

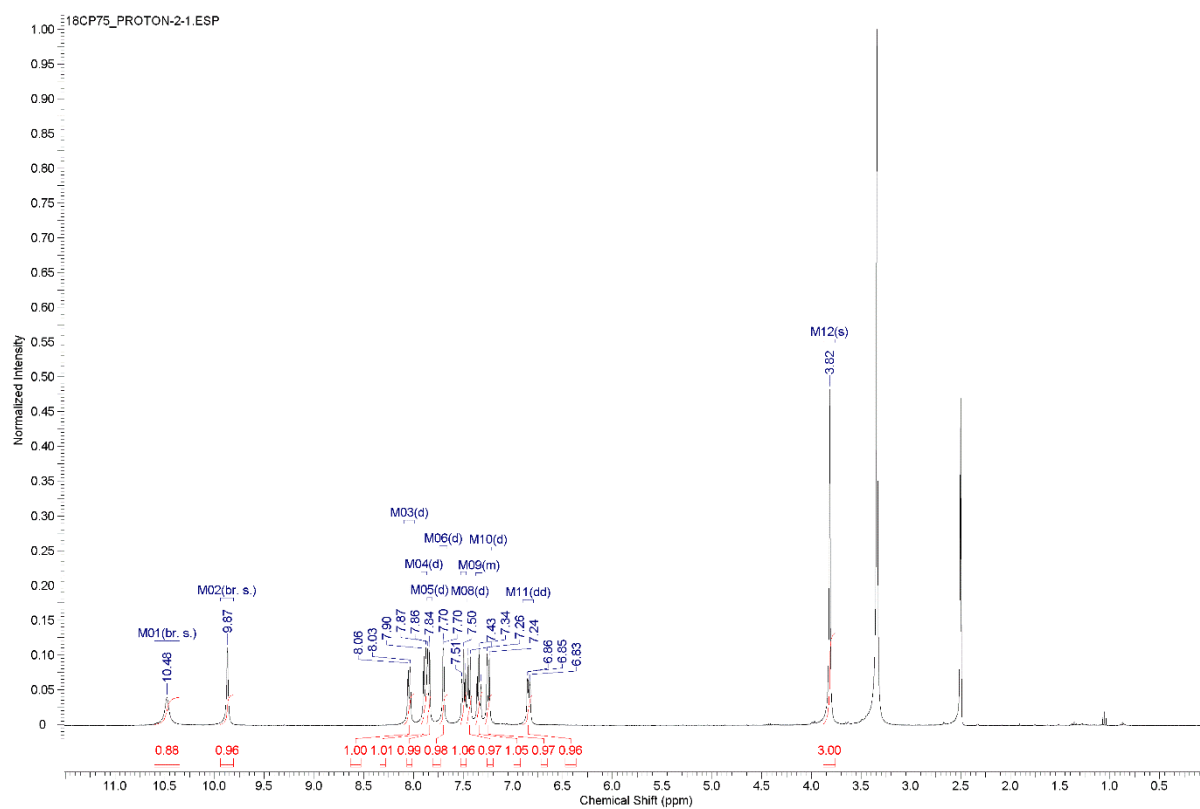


Figure S21. ^1H -NMR ($\text{DMSO}-d_6$) spectrum of *N*-(2-chloro-5-methoxyphenyl)-2-hydroxynaphthalene-1-carboxamide (**18**)

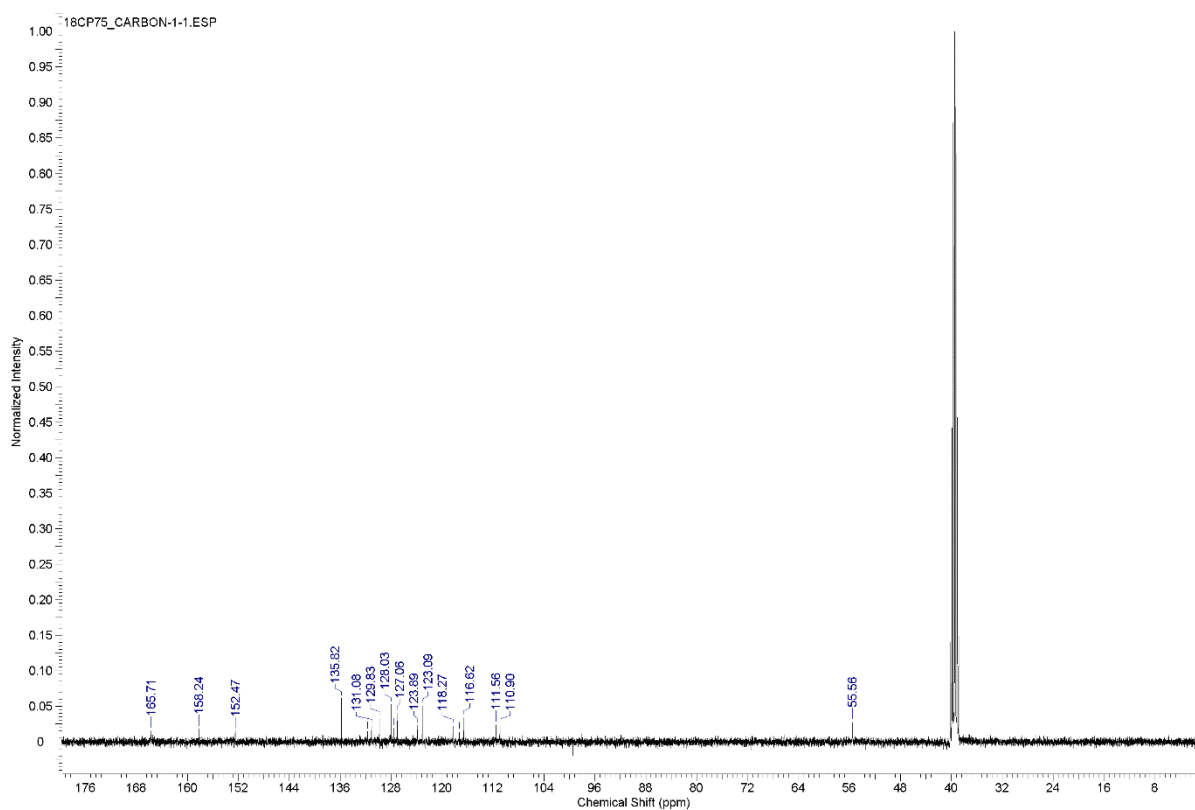


Figure S22. ¹³C-NMR (DMSO-*d*₆) spectrum of *N*-(2-chloro-5-methoxyphenyl)-2-hydroxynaphthalene-1-carboxamide (**18**)

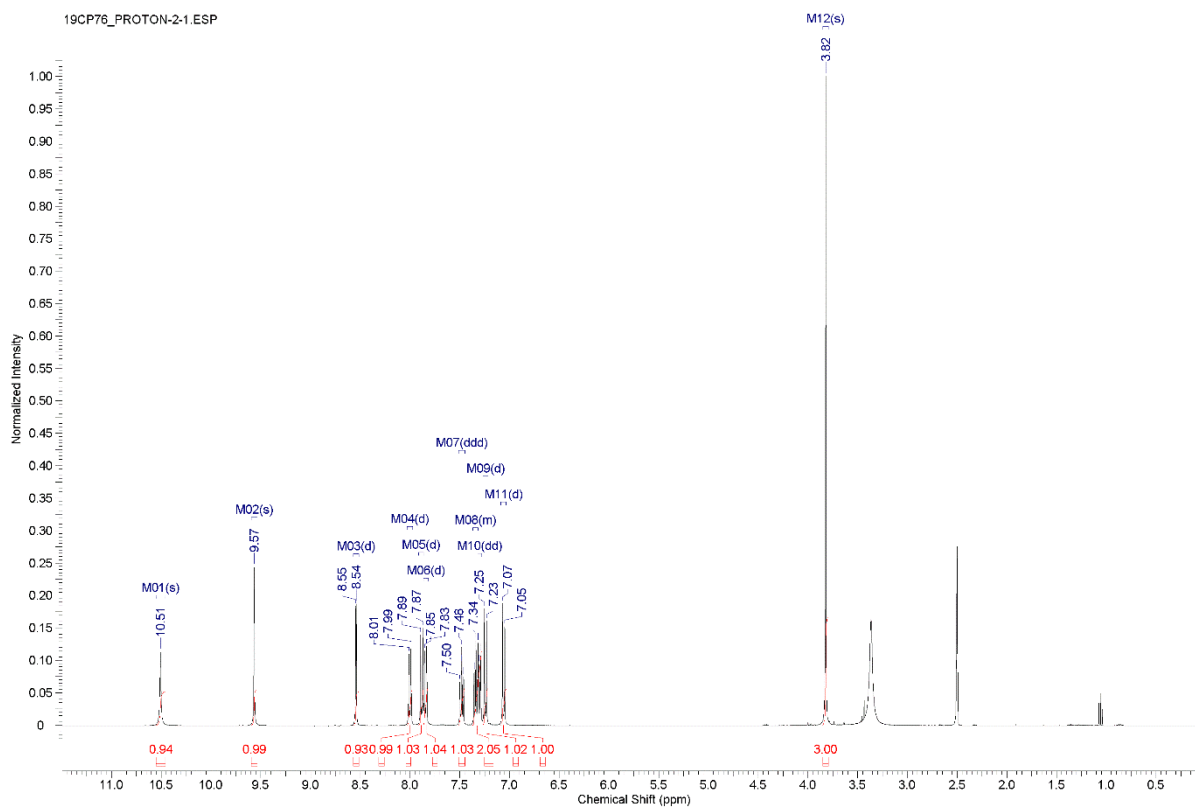


Figure S23. ¹H-NMR (DMSO-*d*₆) spectrum of *N*-(5-bromo-2-methoxyphenyl)-2-hydroxynaphthalene-1-carboxamide (**19**)

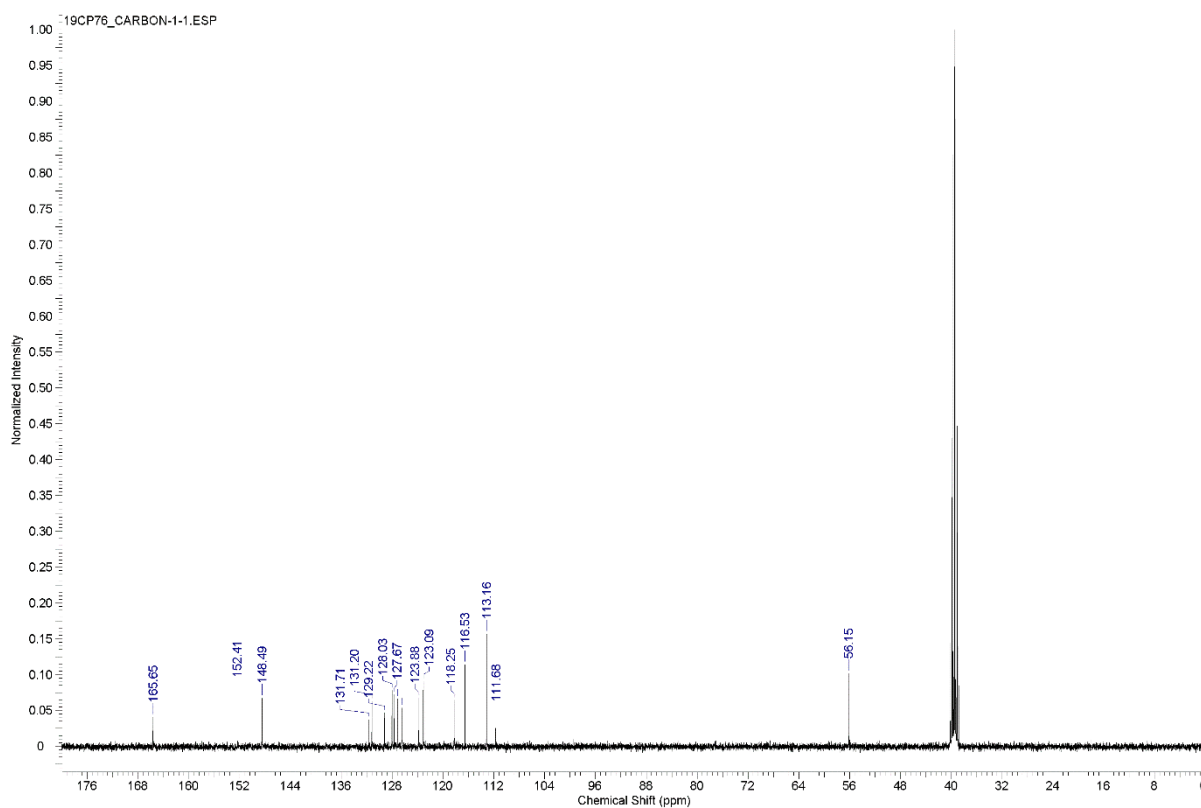


Figure S24. ¹³C-NMR (DMSO-*d*₆) spectrum of *N*-(5-bromo-2-methoxyphenyl)-2-hydroxynaphthalene-1-carboxamide (19)

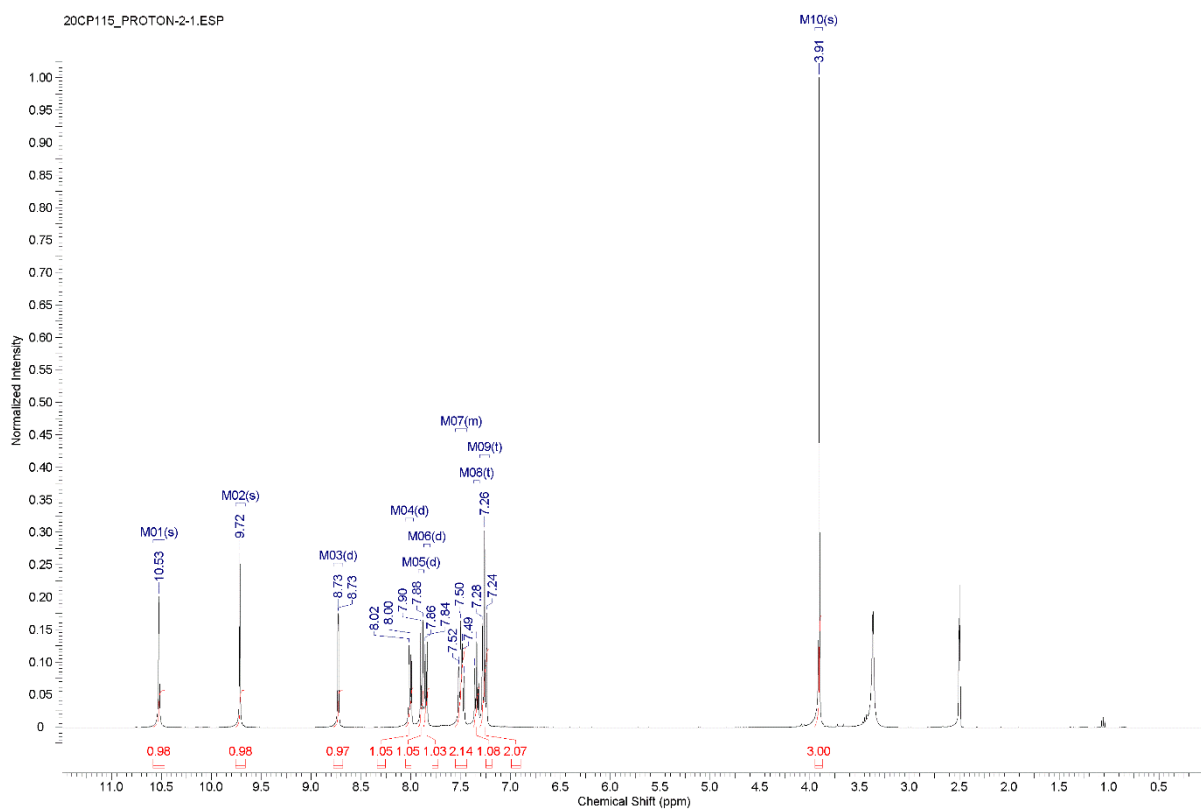


Figure S25. ¹H-NMR (DMSO-*d*₆) spectrum of 2-hydroxy-*N*-[2-methoxy-5-(trifluoromethyl)phenyl]naphthalene-1-carboxamide (20)

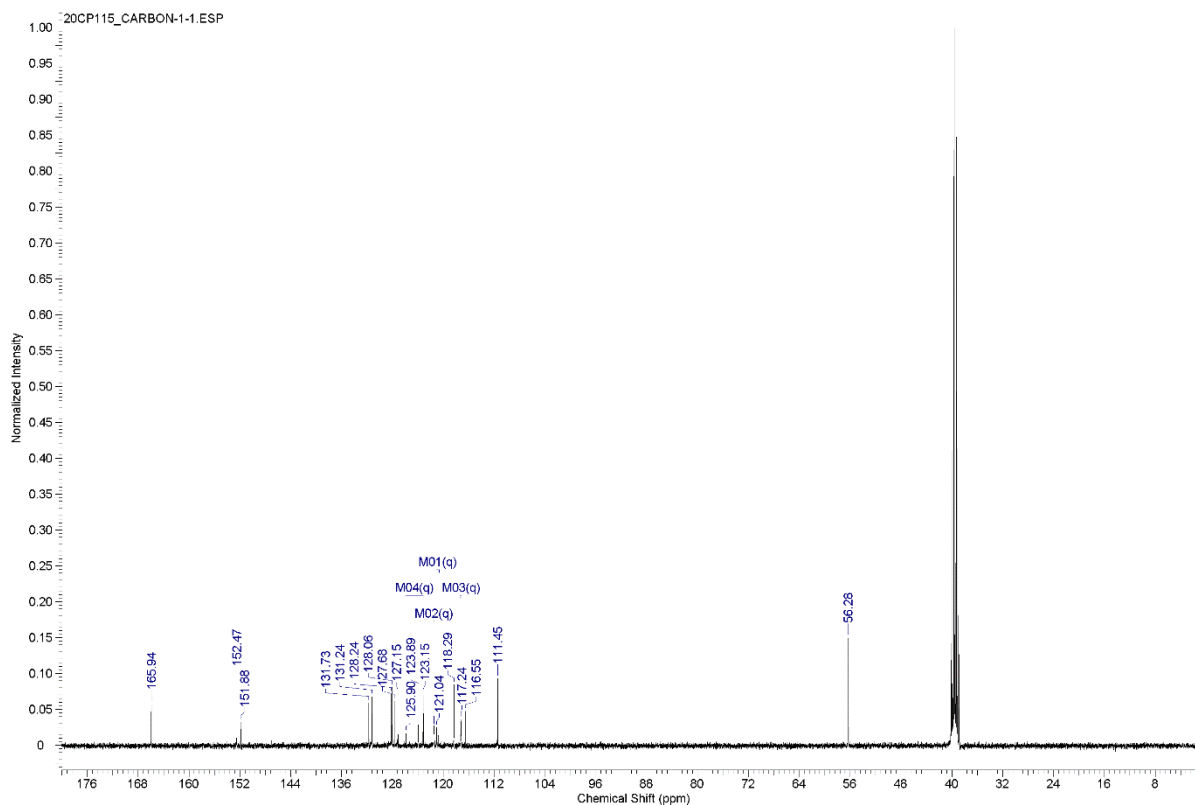


Figure S26. ¹³C-NMR (DMSO-*d*₆) spectrum of 2-hydroxy-*N*-[2-methoxy-5-(trifluoromethyl)phenyl]naphthalene-1-carboxamide (**20**)

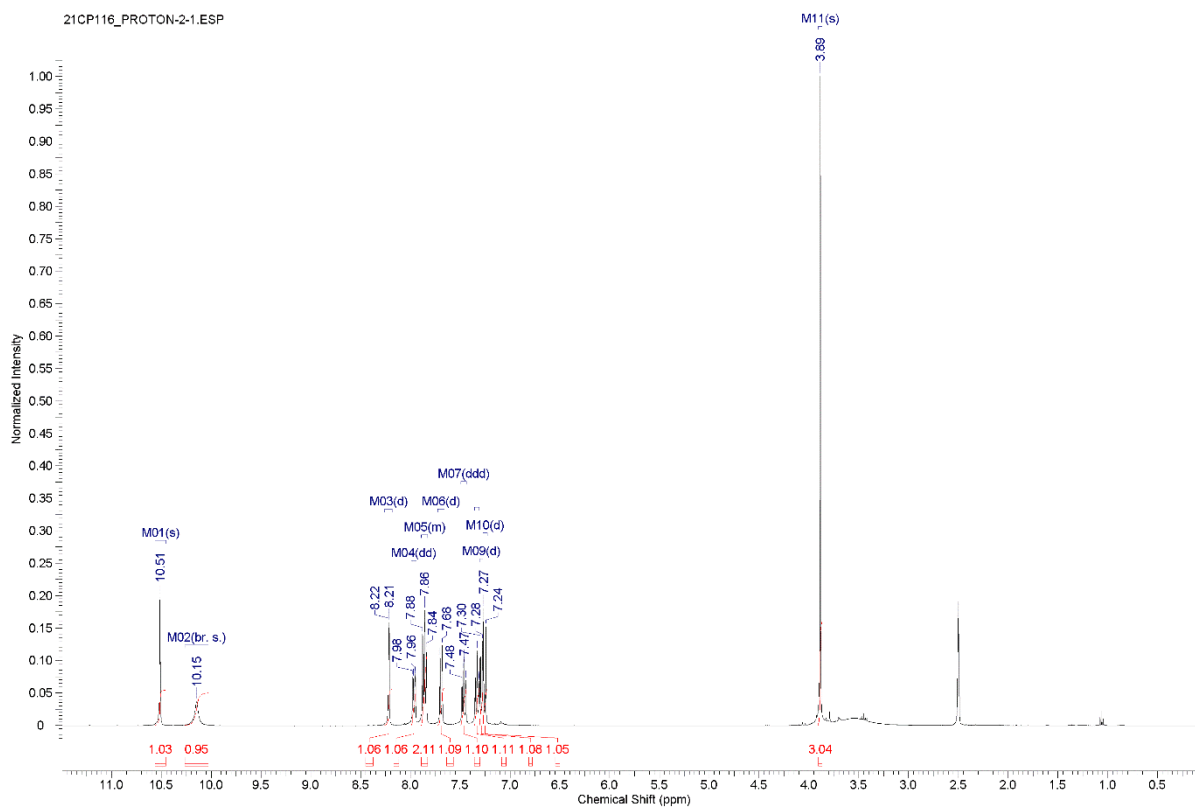


Figure S27. ¹H-NMR (DMSO-*d*₆) spectrum of 2-hydroxy-*N*-[4-methoxy-3-(trifluoromethyl)phenyl]naphthalene-1-carboxamide (**21**).

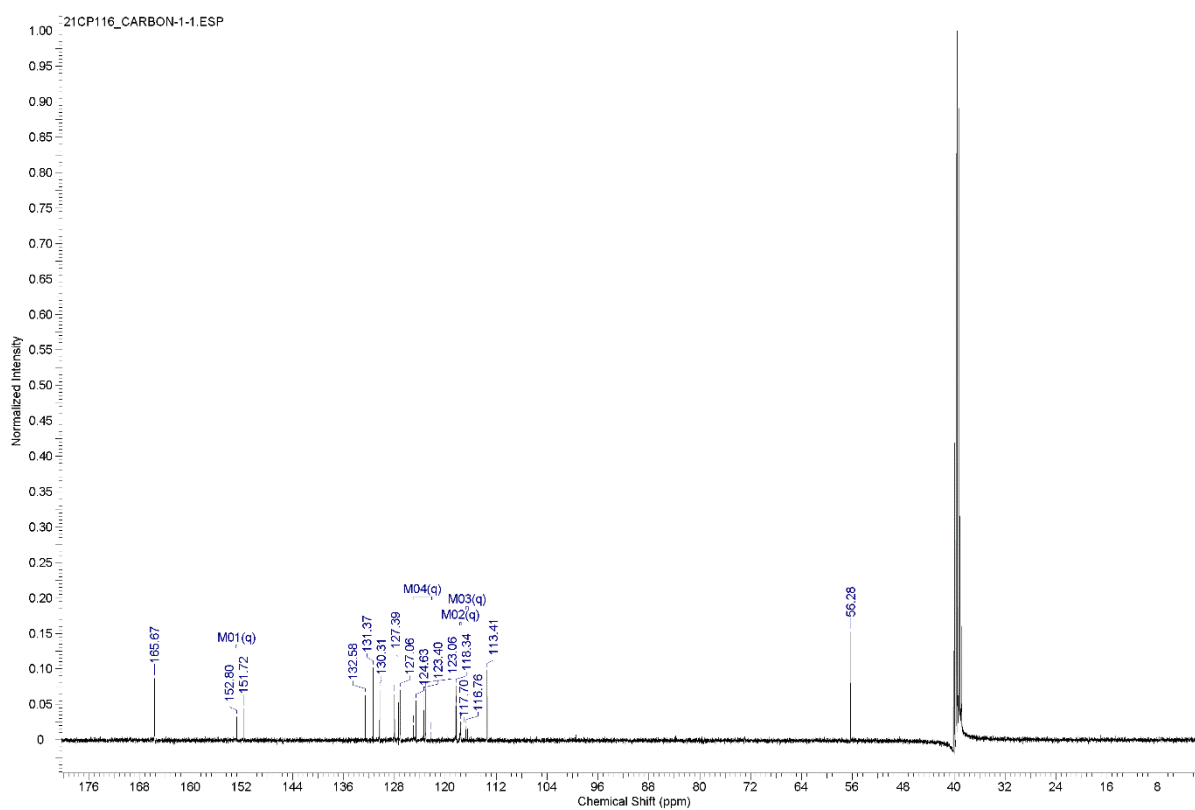


Figure S28. ¹³C-NMR (DMSO-*d*₆) spectrum of 2-hydroxy-*N*-[4-methoxy-3-(trifluoromethyl)phenyl]naphthalene-1-carboxamide (**21**)

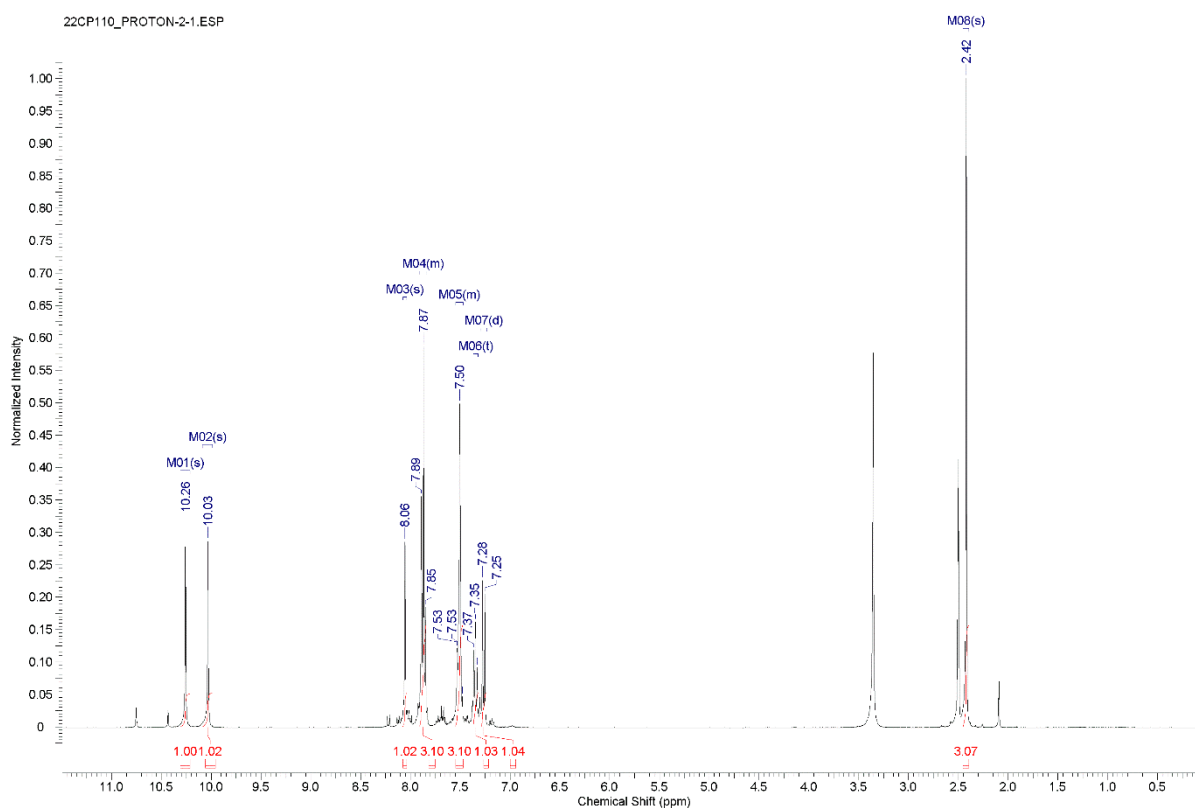
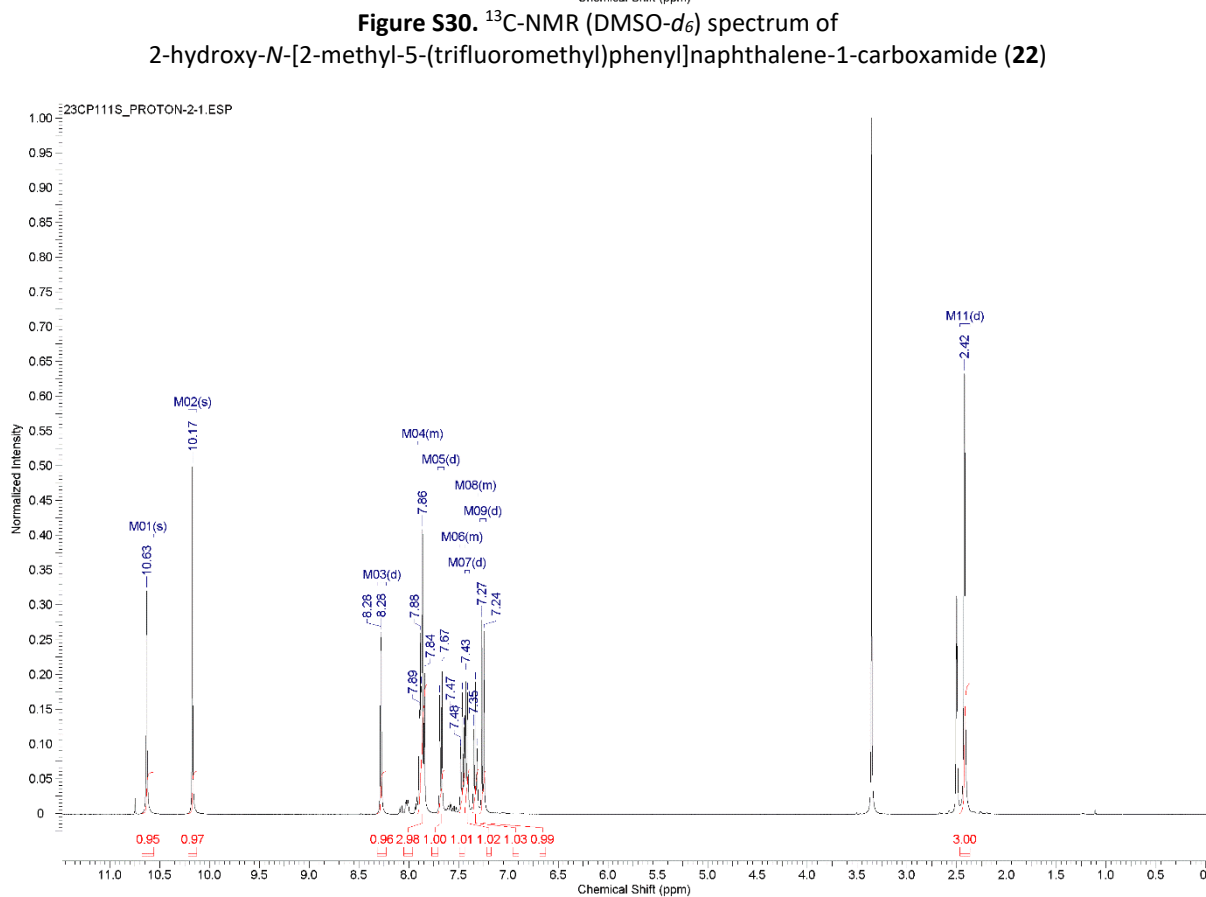
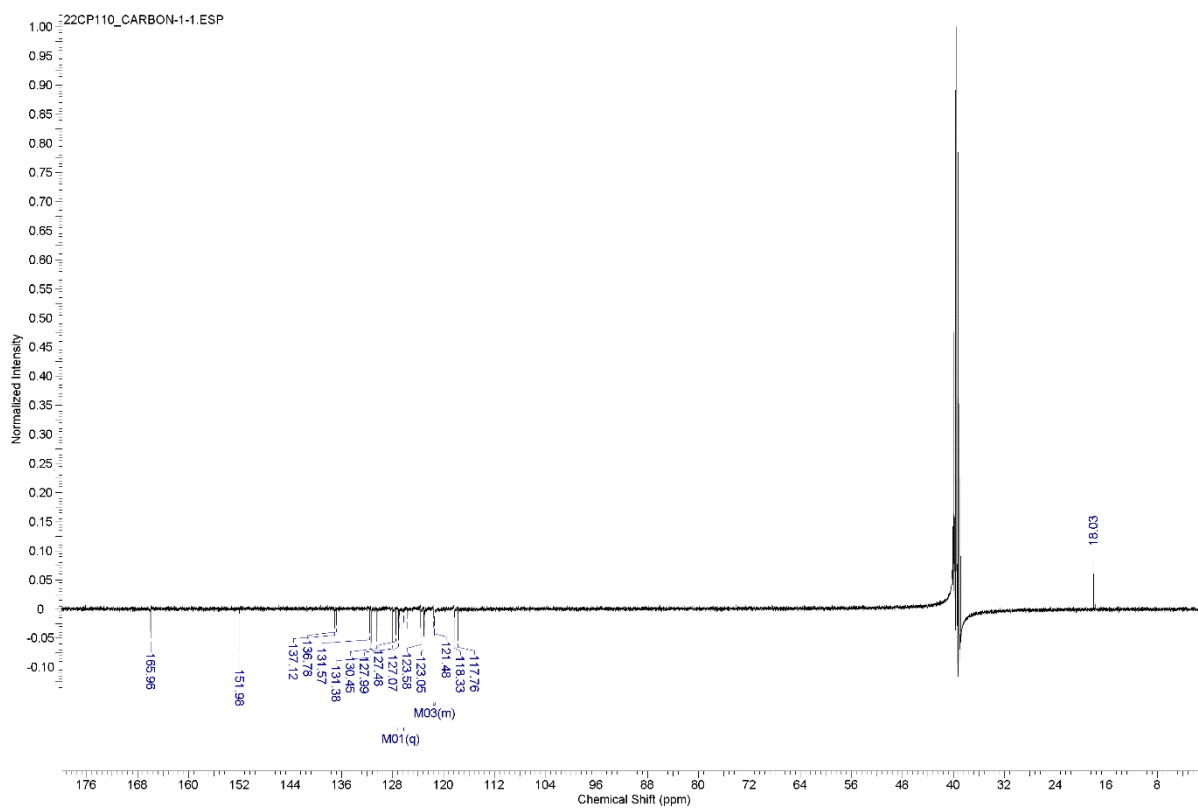


Figure S29. ¹H-NMR (DMSO-*d*₆) spectrum of 2-hydroxy-*N*-[2-methyl-5-(trifluoromethyl)phenyl]naphthalene-1-carboxamide (**22**)



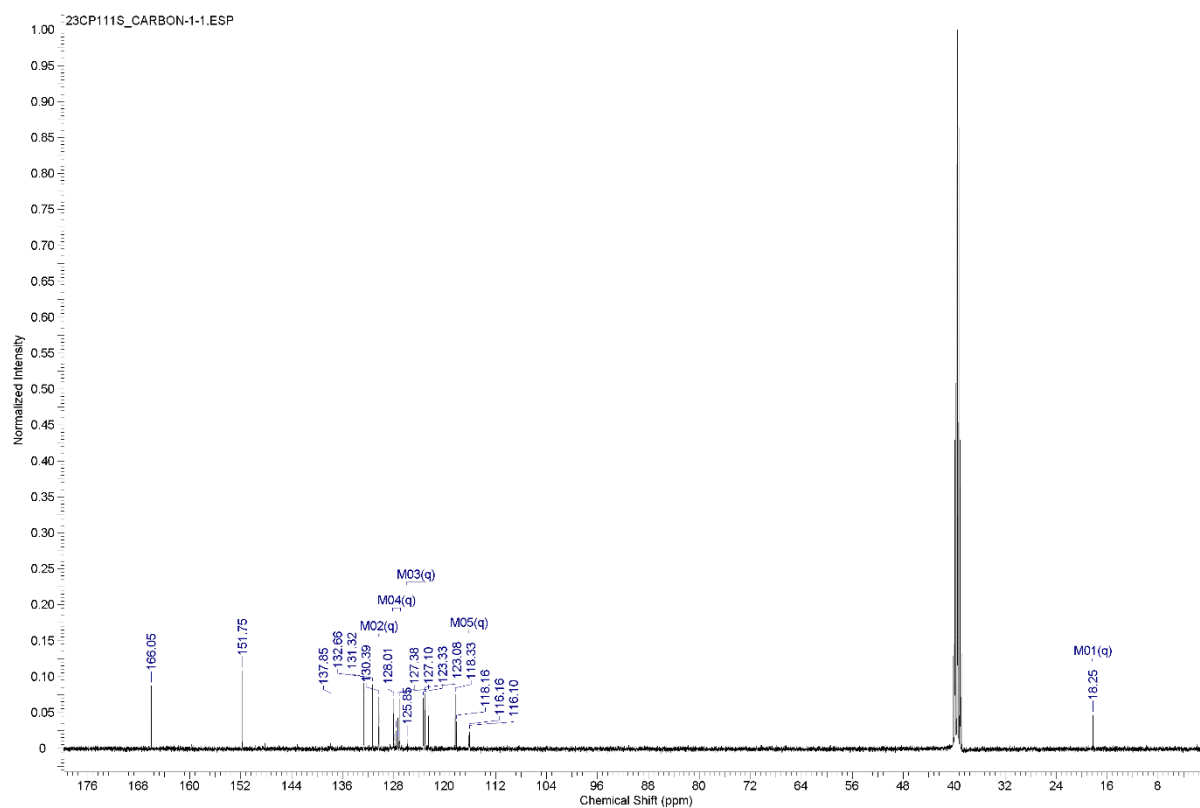


Figure S32. ¹³C-NMR (DMSO-*d*₆) spectrum of 2-hydroxy-*N*-[4-methyl-3-(trifluoromethyl)phenyl]naphthalene-1-carboxamide (**23**)

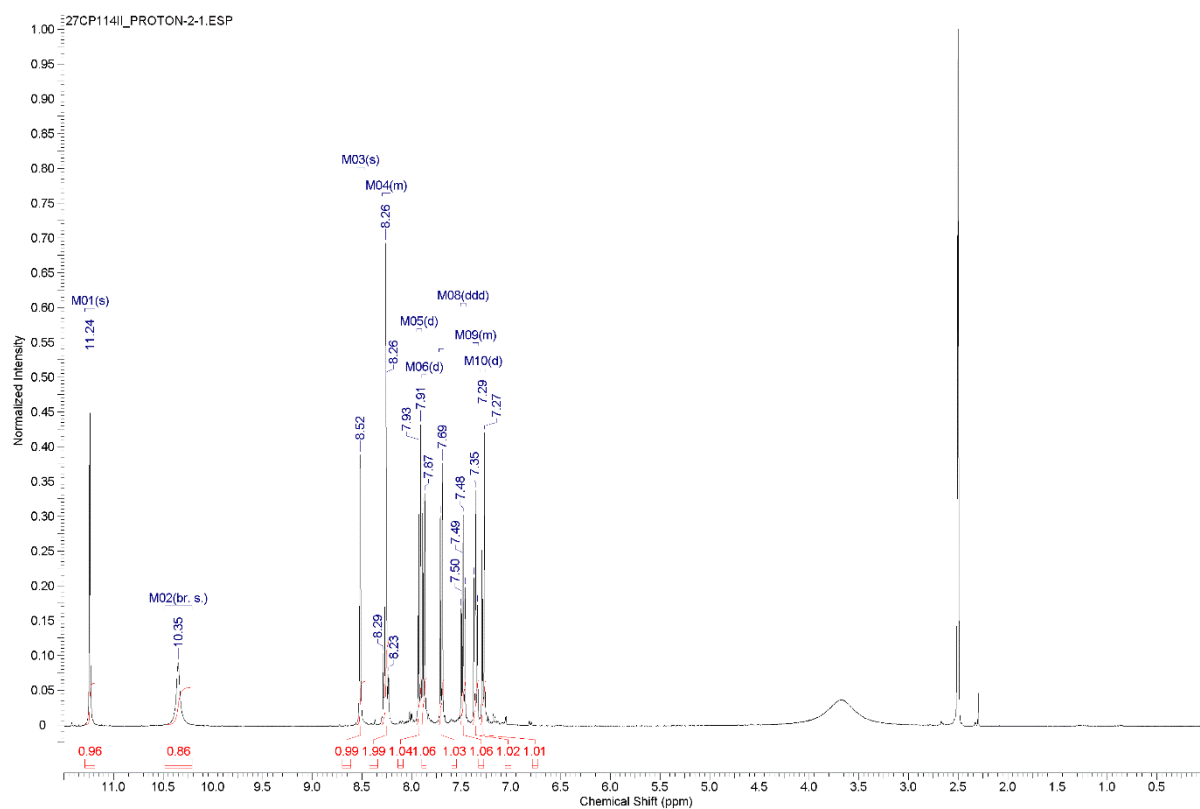


Figure S33. ¹H-NMR (DMSO-*d*₆) spectrum of 2-hydroxy-*N*-[4-nitro-3-(trifluoromethyl)phenyl]naphthalene-1-carboxamide (**27**)

