

Supplementary Material

Actinoquinazolinone, a New Quinazolinone Derivative from a Marine Bacterium *Streptomyces* sp. CNQ-617, Suppresses the Motility of Gastric Cancer Cells

Sultan Pulat ^{1,†}, Da-Ae Kim ^{2,†}, Prima F. Hillman ^{2,†}, Dong-Chan Oh ³, Hangun Kim ^{1,*}, Sang-Jip Nam ^{2,*} and William Fenical ^{4,*}

¹ College of Pharmacy and Research Institute of Life and Pharmaceutical Sciences, Sunchon National University, Sunchon 57922, Republic of Korea; sultanhulat@s.schnu.ac.kr

² Department of Chemistry and Nanoscience, Ewha Womans University, Seoul 03760, Republic of Korea; 123rlaekdo@ewhain.net (D.-A.K.); primafitriah@gmail.com (P.F.H.)

³ Natural Products Research Institute, College of Pharmacy, Seoul National University, Seoul 08826, Republic of Korea; dongchanoh@snu.ac.kr

⁴ Center of Marine Biotechnology and Biomedicine, Scripps Institution of Oceanography, University of California San Diego, La Jolla, CA 92093-0204, USA

* Correspondence: hangunkim@sunchon.ac.kr (H.K.); sjnam@ewha.ac.kr (S.-J.N.); wfenical@ucsd.edu (W.F.)

† These authors contributed equally to this work.

Table of Contents

Figure S1. ^1H NMR Spectrum (400 MHz) of actinoquinazolinone (1) in $\text{DMSO}-d_6$	3
Figure S2. ^{13}C NMR Spectrum (100 MHz) of actinoquinazolinone (1) in $\text{DMSO}-d_6$	4
Figure S3. COSY Spectrum (400 MHz) of actinoquinazolinone (1) in $\text{DMSO}-d_6$	5
Figure S4. HSQC Spectrum (400 MHz) of actinoquinazolinone (1) in $\text{DMSO}-d_6$	6
Figure S5. HMBC Spectrum (400 MHz) of actinoquinazolinone (1) in $\text{DMSO}-d_6$	7
Figure S6. ^1H NMR Spectrum (400 MHz) of 7-hydroxy-6-methoxy-3,4-dihydroquinazolin-4-one (2) in $\text{DMSO}-d_6$	8
Figure S7. ^{13}C NMR Spectrum (100 MHz) of 7-hydroxy-6-methoxy-3,4-dihydroquinazolin-4-one (2) in $\text{DMSO}-d_6$	9
Figure S8. ^1H NMR Spectrum (500 MHz) of 7-methoxy-8-hydroxy cycloanthranilylproline (3) in CD_3OD	10
Figure S9. ^{13}C NMR Spectrum (125 MHz) of 7-methoxy-8-hydroxy cycloanthranilylproline (3) in CD_3OD	11
Figure S10. IR Spectrum of actinoquinazolinone (1)	12
Figure S11. HRMS Spectrum of actinoquinazolinone (1)	13

Figure S1. ^1H NMR Spectrum (400 MHz) of actinoquinazolinone (**1**) in $\text{DMSO}-d_6$

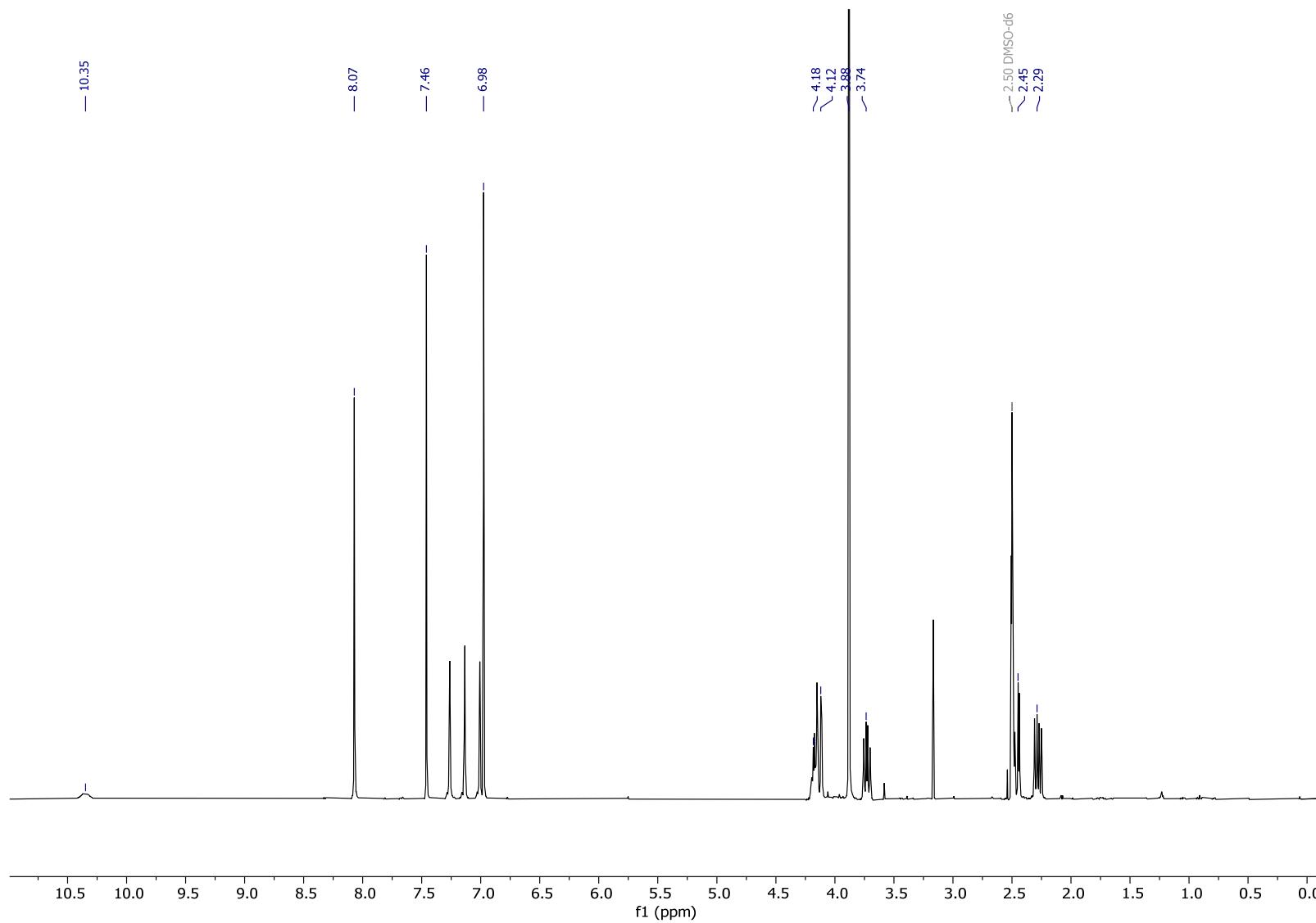


Figure S2. ^{13}C NMR Spectrum (100 MHz) of actinoquinazolinone (**1**) in $\text{DMSO}-d_6$

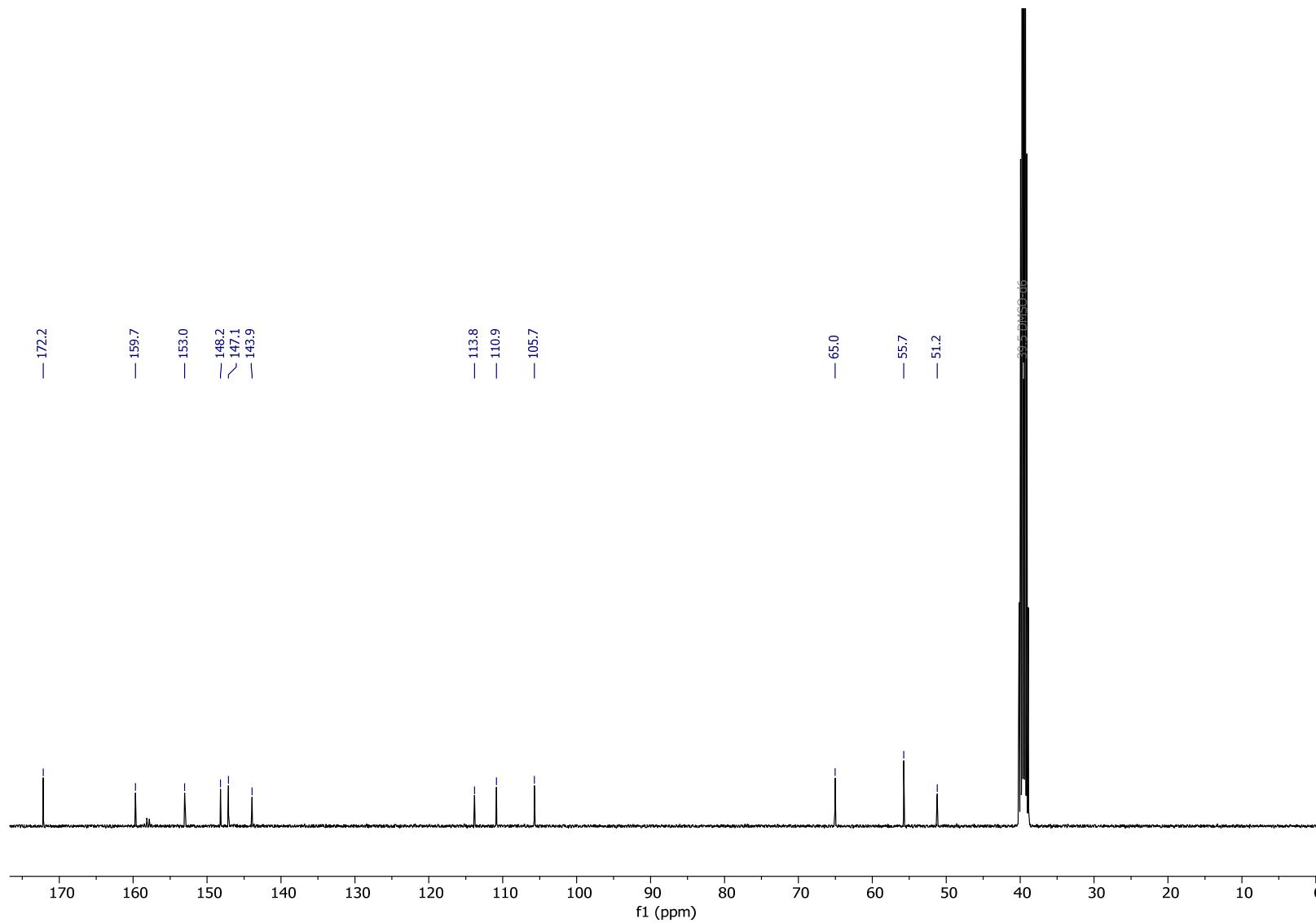


Figure S3. COSY Spectrum (400 MHz) of actinoquinazolinone (**1**) in DMSO-*d*₆

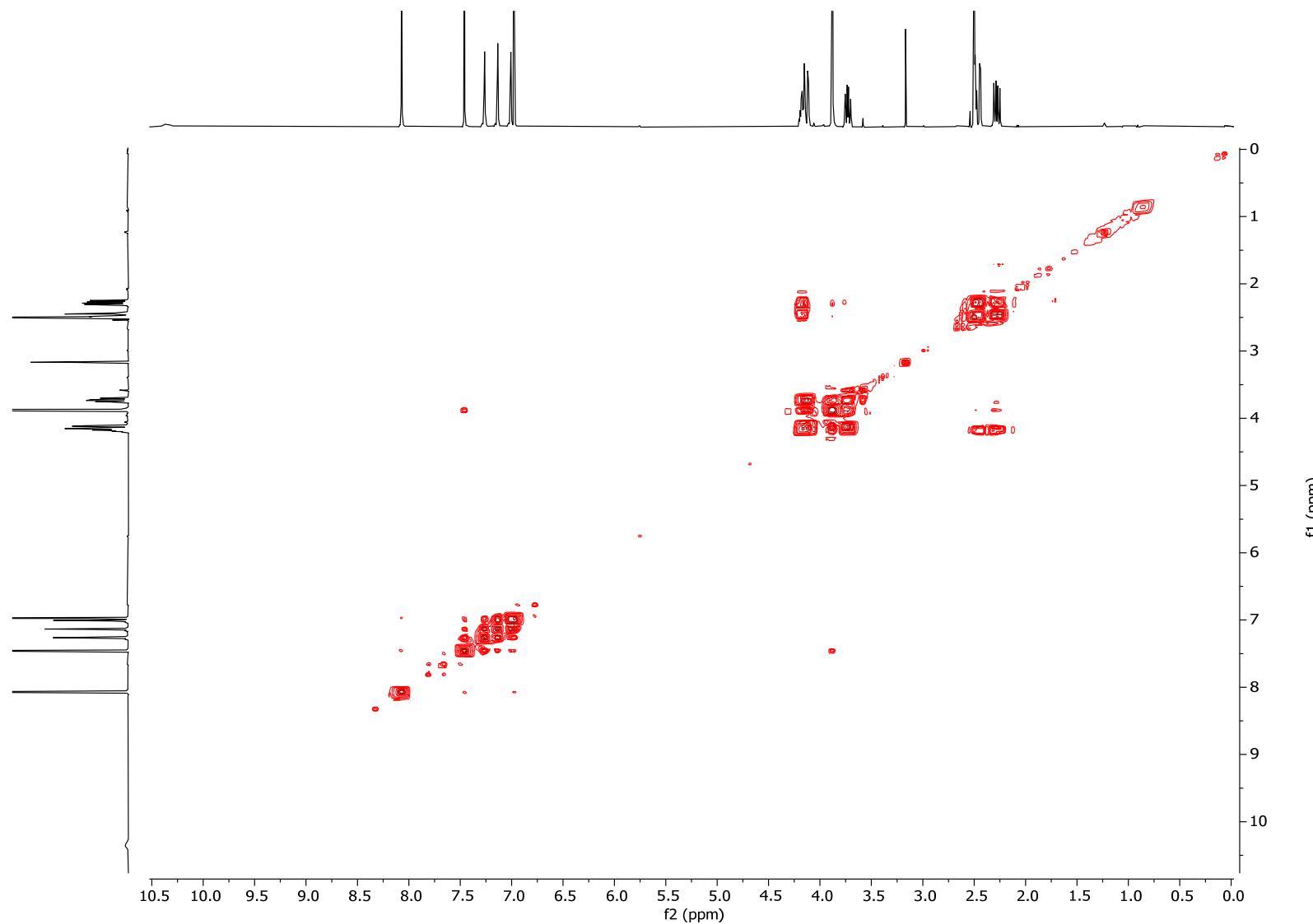


Figure S4. HSQC Spectrum (400 MHz) of actinoquinazolinone (**1**) in DMSO-*d*₆

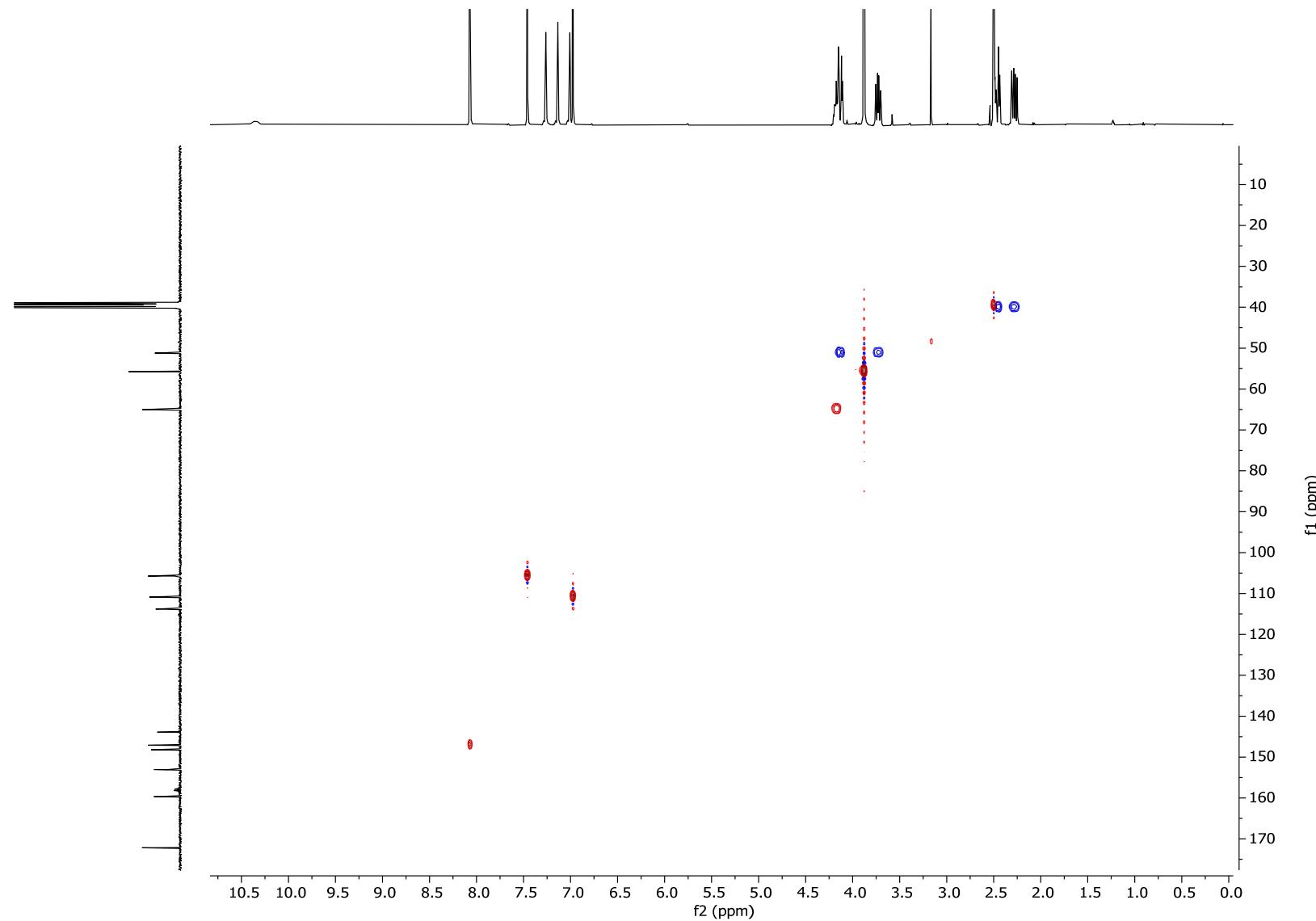


Figure S5. HMBC Spectrum (400 MHz) of actinoquinazolinone (**1**) in DMSO-*d*₆

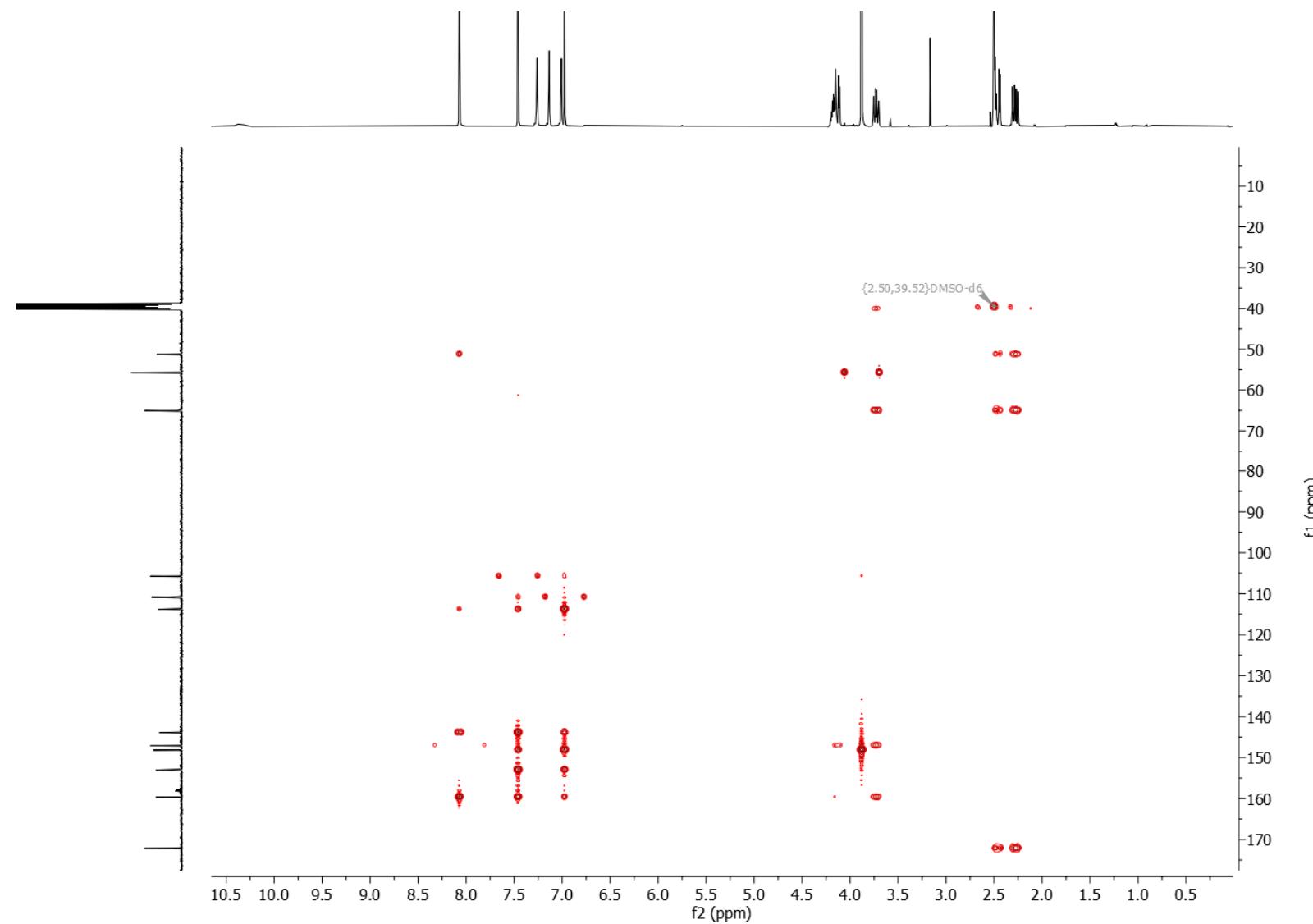


Figure S6. ^1H NMR Spectrum (400 MHz) of 7-hydroxy-6-methoxy-3,4-dihydroquinazolin-4-one (**2**) in $\text{DMSO}-d_6$

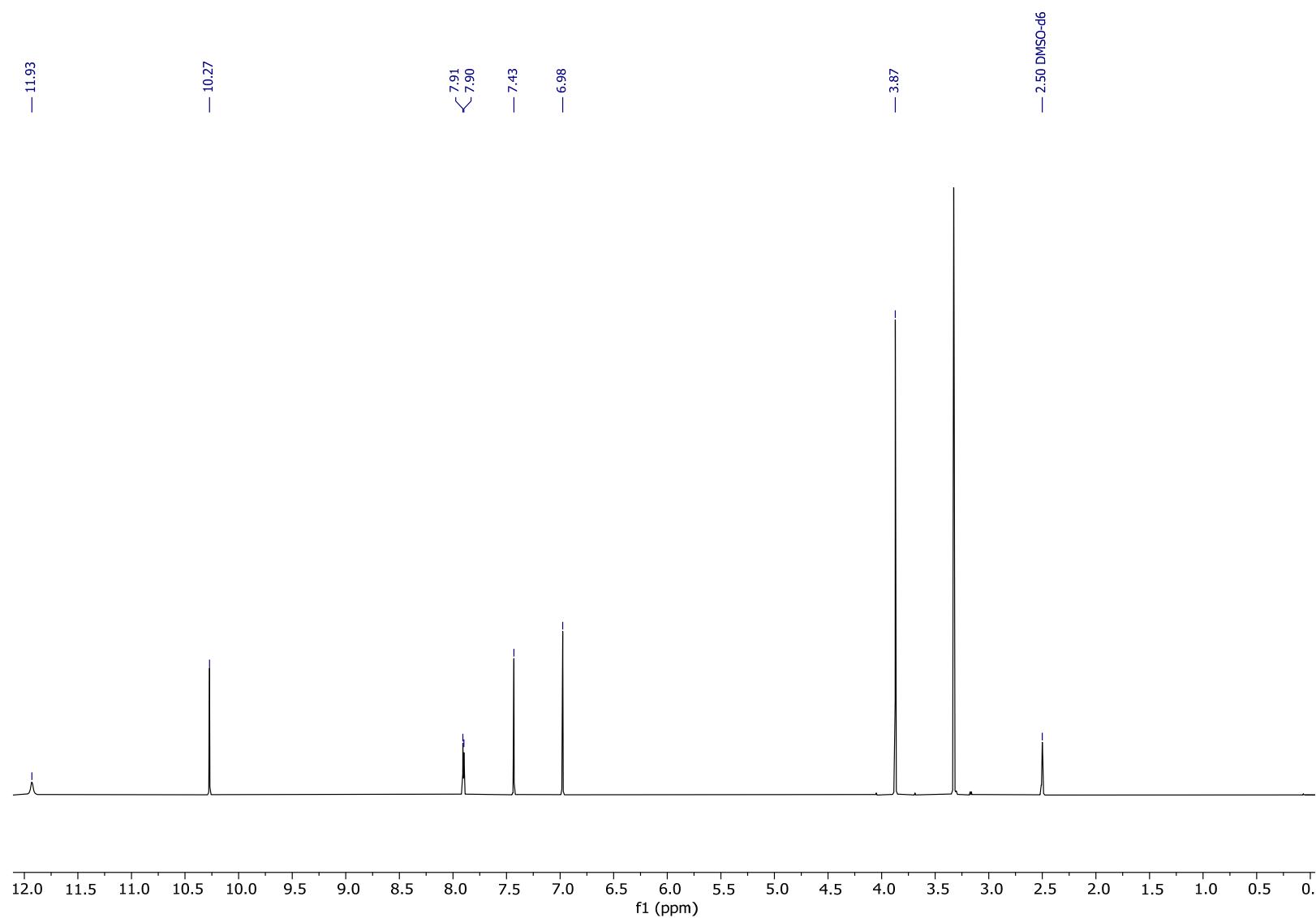


Figure S7. ^{13}C NMR Spectrum (100 MHz) of 7-hydroxy-6-methoxy-3,4-dihydroquinazolin-4-one (**2**) in $\text{DMSO}-d_6$

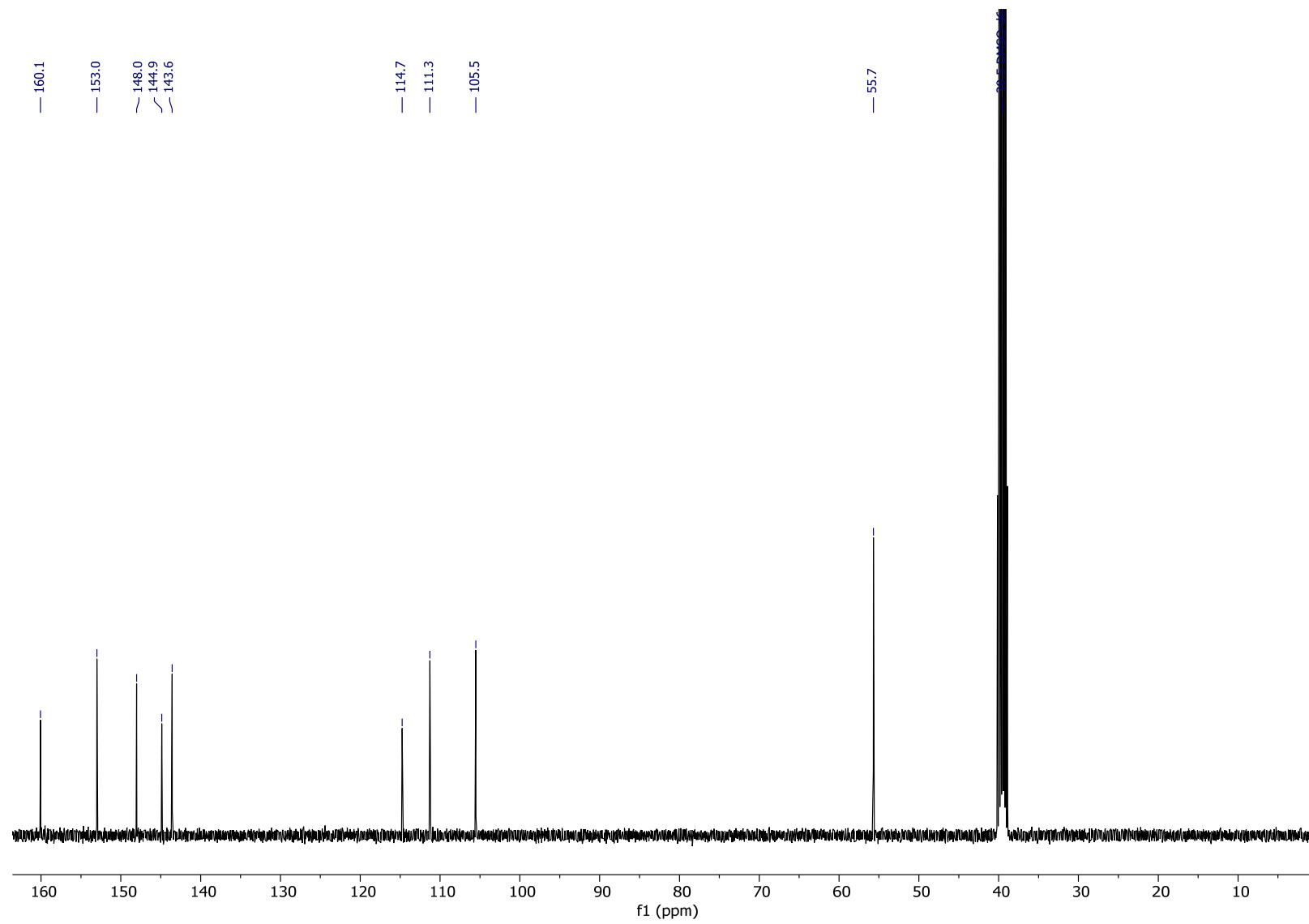


Figure S8. ^1H NMR Spectrum (500 MHz) of 7-methoxy-8-hydroxy cycloanthranilylproline (**3**) in CD_3OD

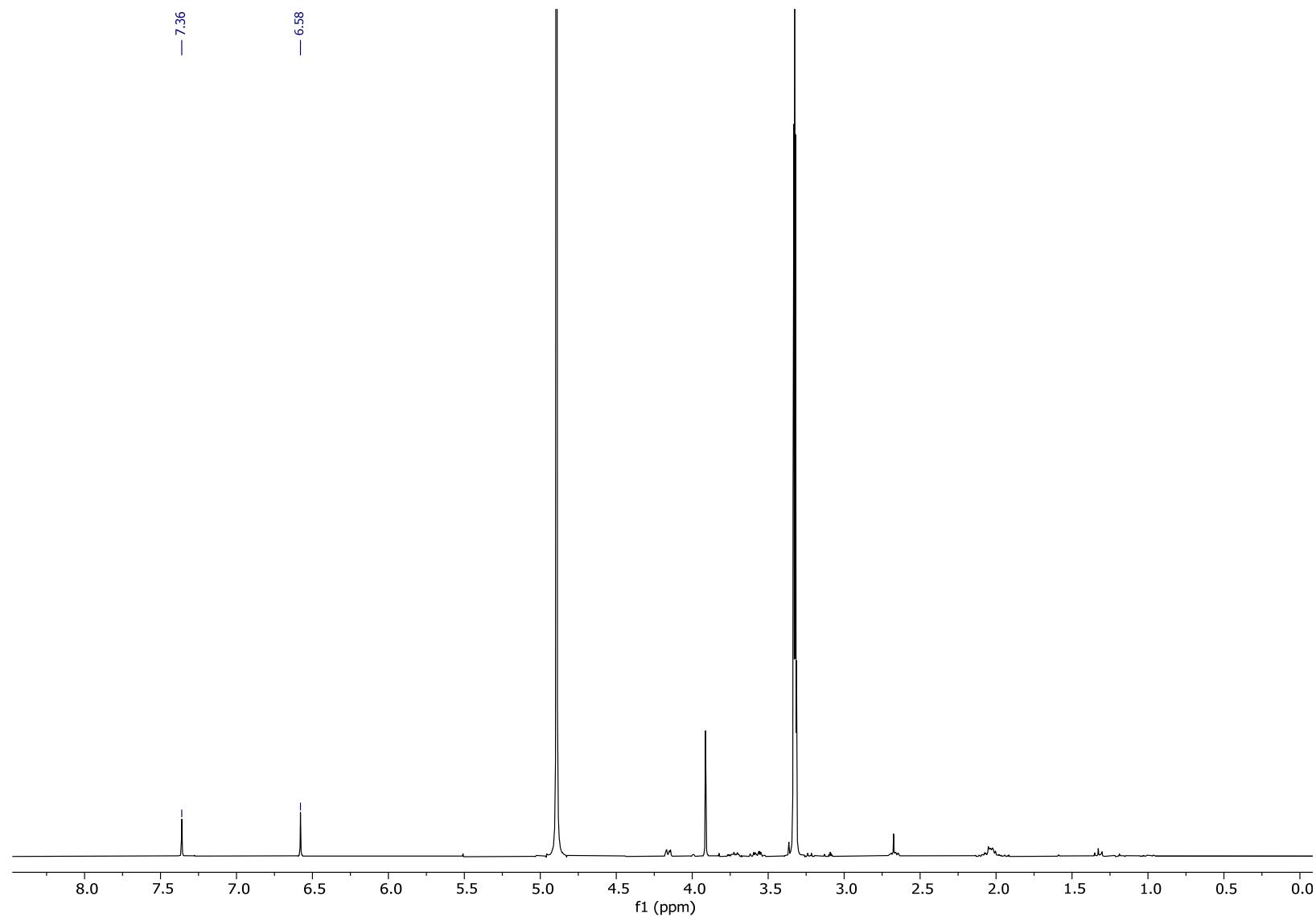


Figure S9. ^{13}C NMR Spectrum (125 MHz) of 7-methoxy-8-hydroxy cycloanthranilylproline (**3**) in CD_3OD

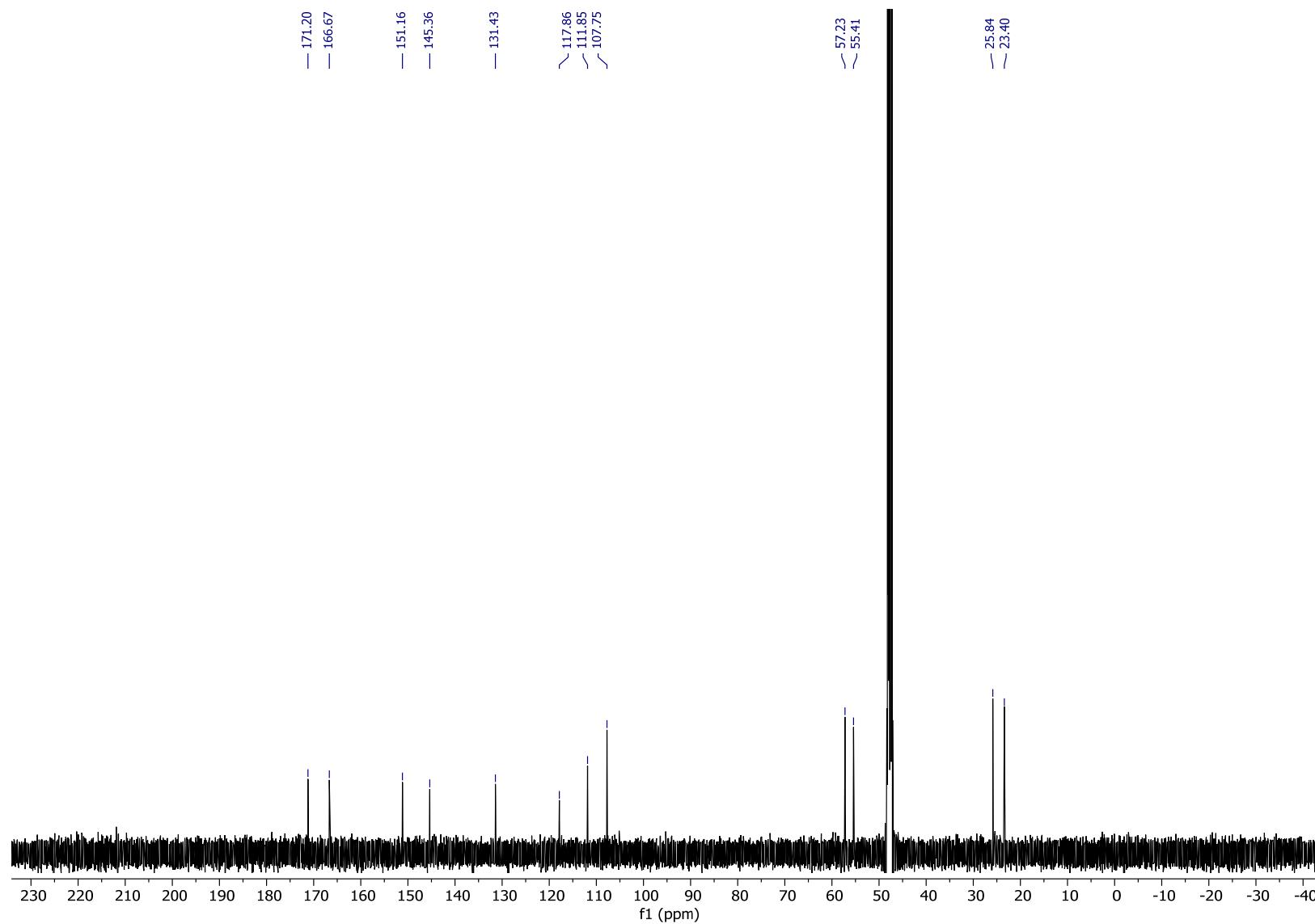


Figure S10. IR Spectrum of actinoquinazolinone (**1**)

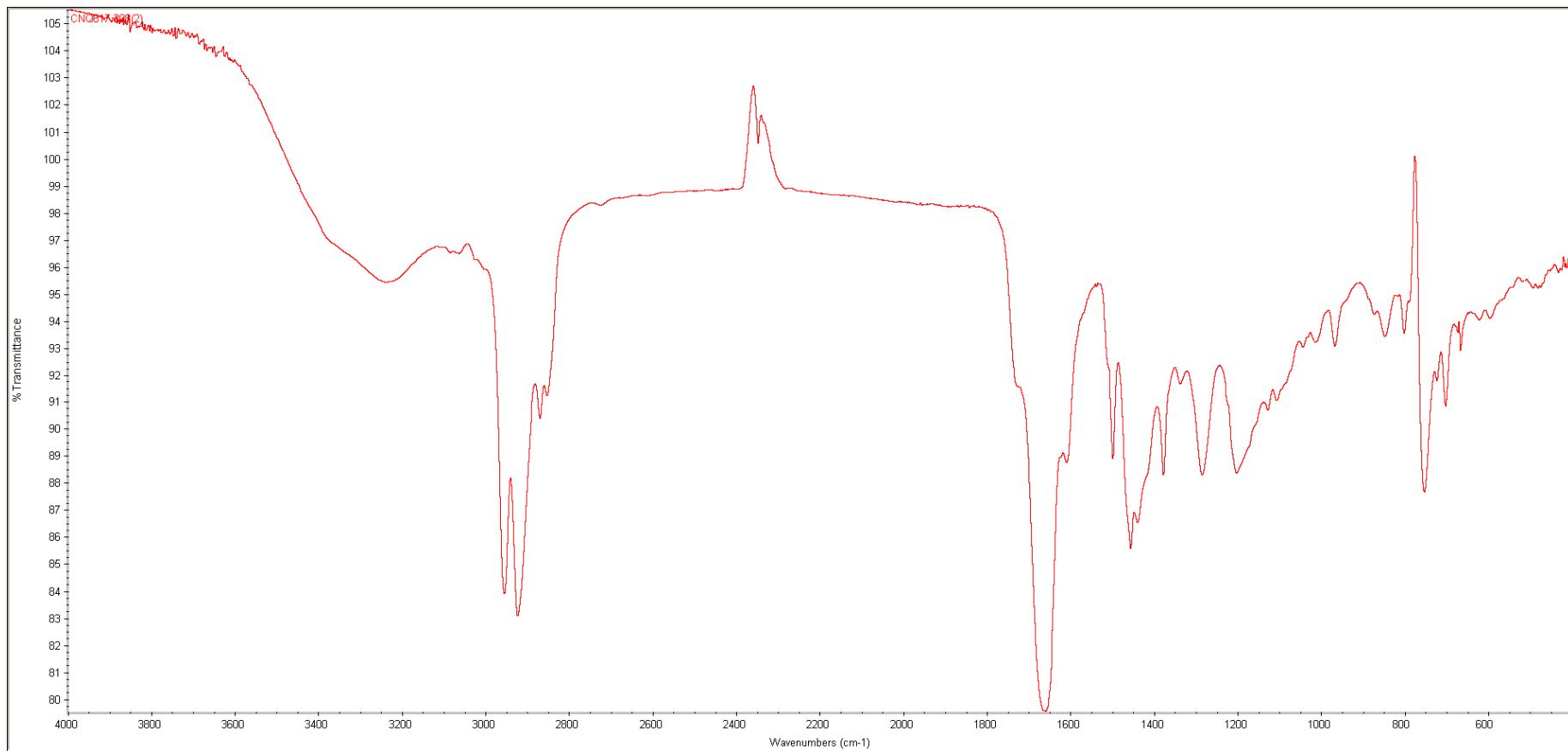


Figure S11. HRMS Spectrum of actinoquinazolinone (**1**)

