

Supplementary Material

The Crystal Structure of 3-Amino-1-(4-Chlorophenyl)-9-Methoxy-1*H*-Benzo[*f*]Chromene-2-Carbonitrile: Antimicrobial activity and Docking Studies

Rawda M. Okasha ¹, Ahmed M. Fouda ², Majed A. Bajaber ², Hazem A. Ghabbour ³, Abd El-Galil E. Amr ^{4,5,*}, Ahmed M. Naglah ^{4,5}, Abdulrahman A. Almehizia ⁴ Ahmed A. Elhenawy ^{6,7,*} and Ahmed M. El-Agrody ^{6,*}

¹ Chemistry Department, Faculty of Science, Taibah University, Medina 30002, Saudi Arabia; rawdao@yahoo.com

² Chemistry Department, Faculty of Science, King Khalid University, Abha 61413, Saudi Arabia; amfouda@hotmail.com (A.M.F.); mb@kku.edu.sa (M.A.B.)

³ Department of Medicinal Chemistry, Faculty of Pharmacy, University of Mansoura, Mansoura 35516, Egypt; ghabbour@yahoo.com

⁴ Pharmaceutical Chemistry Department, Drug Exploration and Development Chair (DEDC), College of Pharmacy, King Saud University, Riyadh 11451, Saudi Arabia; anaglah@ksu.edu.sa (A.M.N.); mehizia@ksu.edu.sa (A.A.A.)

⁵ Applied Organic Chemistry Department, National Research Centre, Dokki, Giza 12622, Egypt

⁶ Chemistry Department, Faculty of Science, Al-Azhar University, Nasr City, Cairo 11884, Egypt

⁷ Chemistry Department, Faculty of Science and Art, AlBaha University, Mukhwah, Al Bahah 65731, Saudi Arabia

* Correspondence: aamr@ksu.edu.sa (A.E.-G.E.A.); elhenawy_sci@hotmail.com (A.A.E.); elagrody_am@azhar.edu.eg (A.M.E.-A.)

Table of Contents:	Page
Figure S1: ^1H NMR spectrum (DMSO- d_6 , 500 MHz) of compound 4.	S3
Figure S2: ^1H NMR spectrum (DMSO- d_6 , 500 MHz) of compound 4.	S4
Figure S3: ^{13}C NMR spectrum (DMSO- d_6 , 125 MHz) of compound 4.	S5

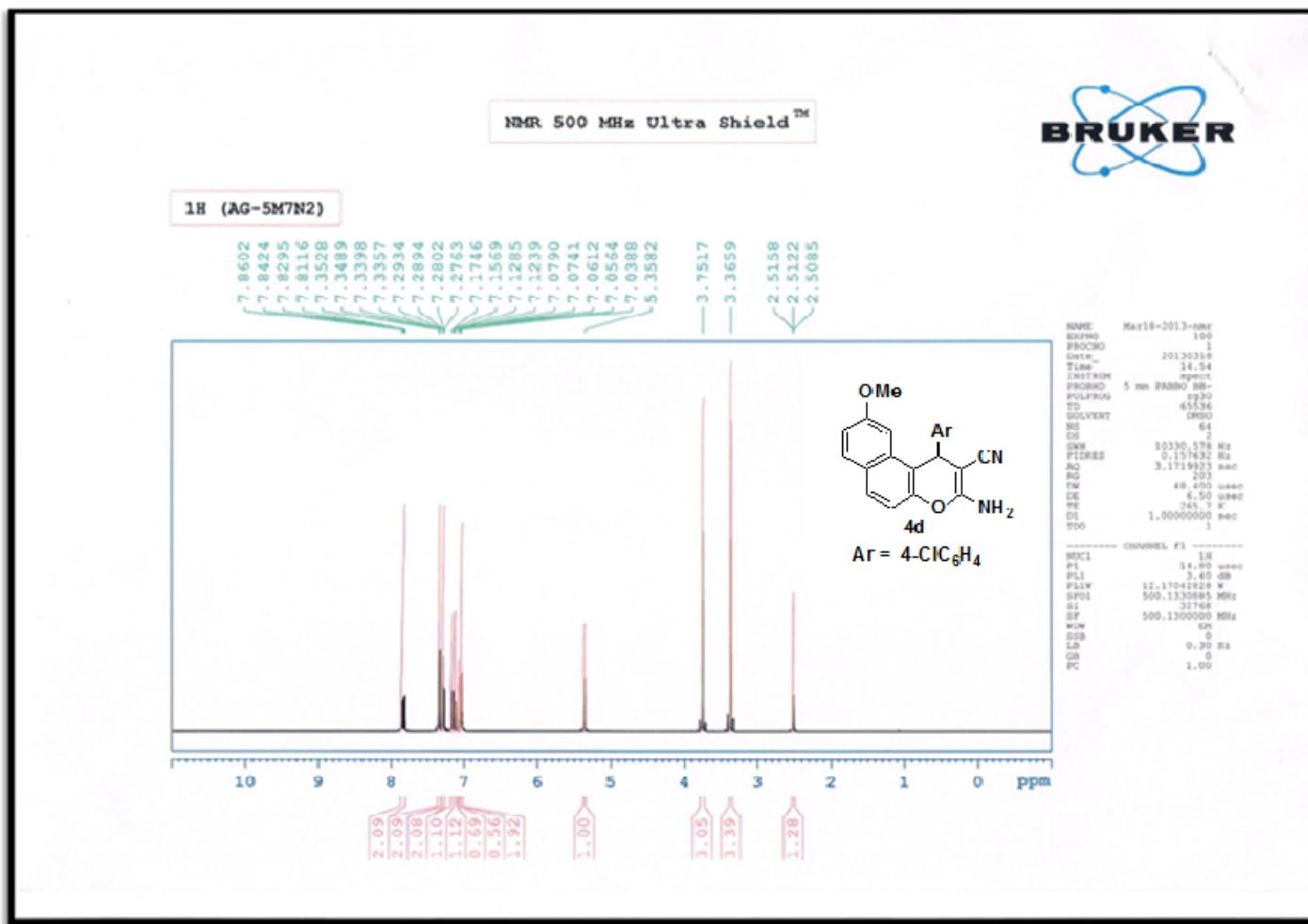


Figure S1: ¹H NMR spectrum (DMSO-*d*₆, 500 MHz) of compound 4.

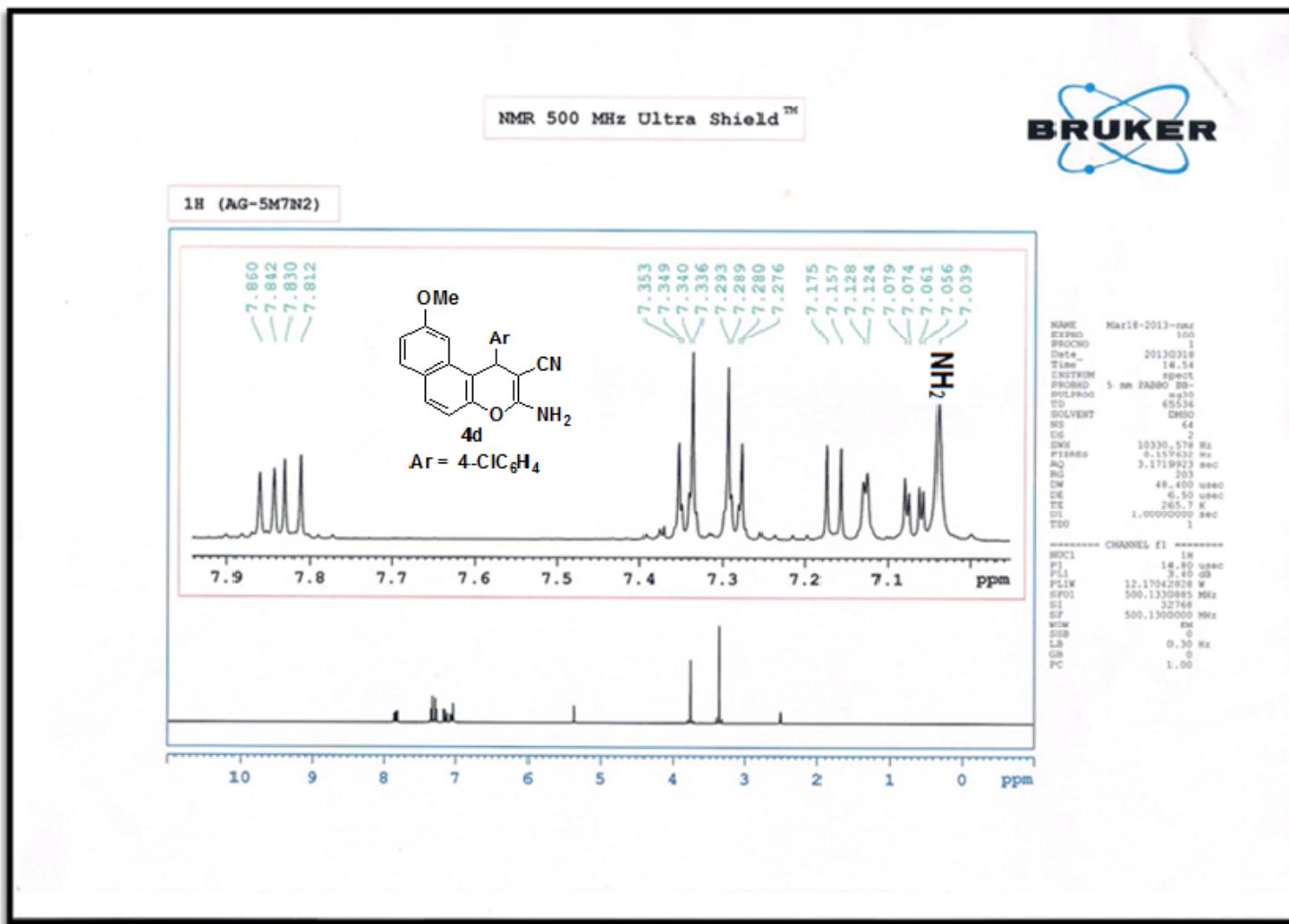


Figure S2: ^1H NMR spectrum ($\text{DMSO}-d_6$, 500 MHz) of compound 4.

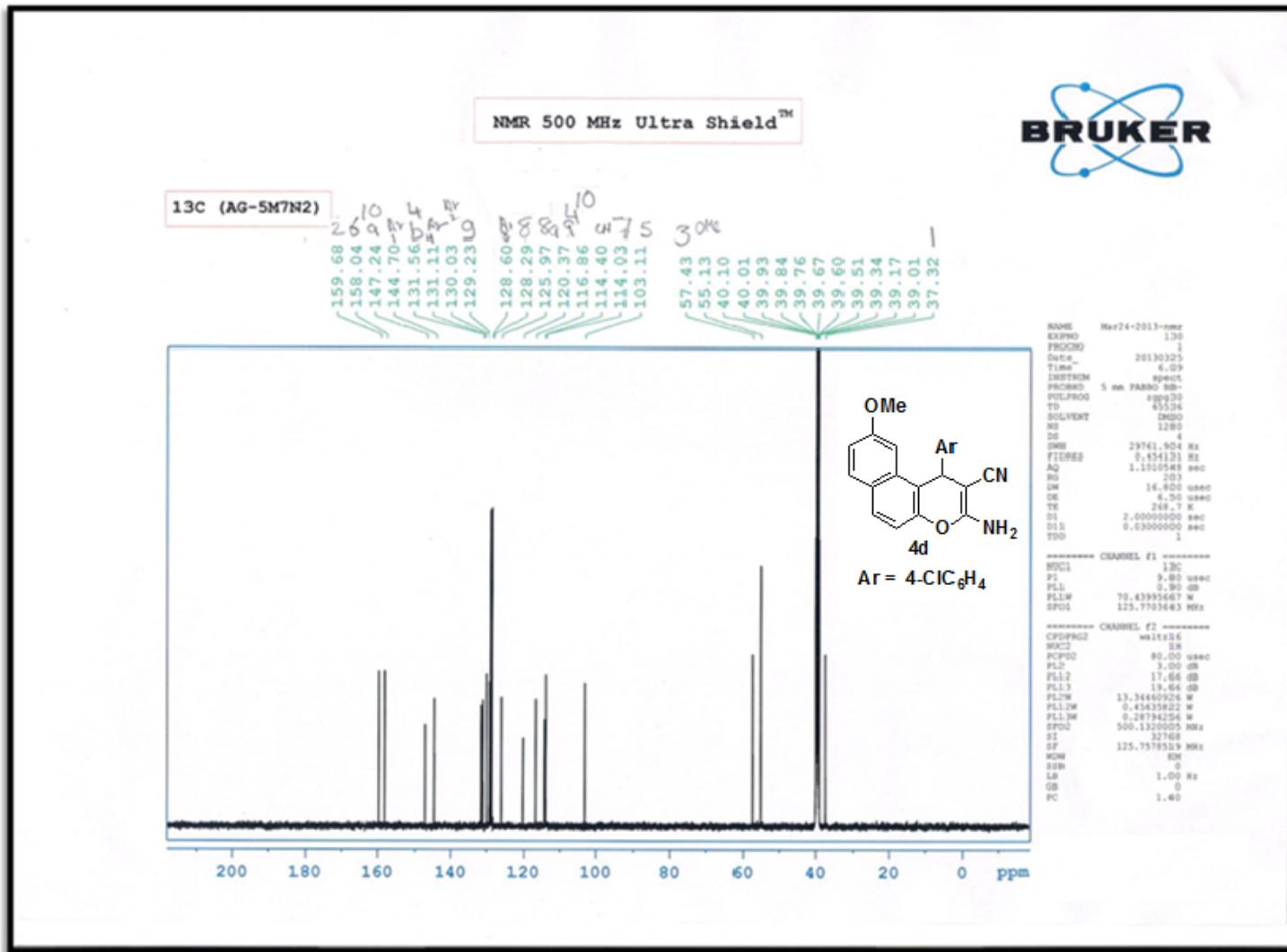


Figure S3: ^{13}C NMR spectrum ($\text{DMSO}-d_6$, 125 MHz) of compound 4.

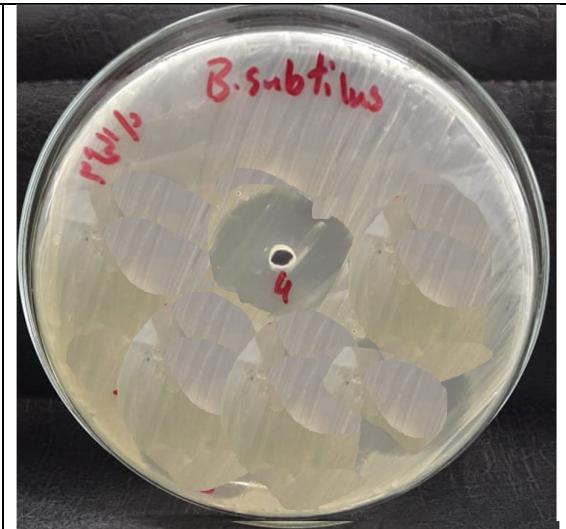
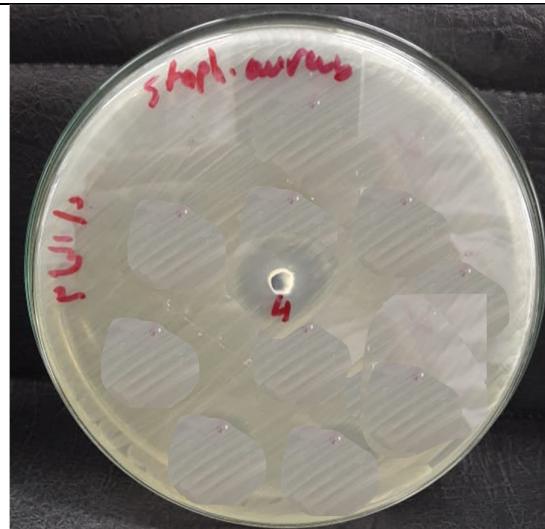
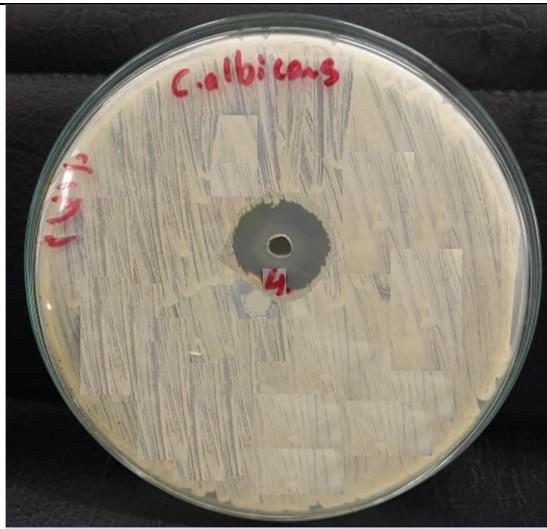


Figure S4: The inhibition zone of compound 4.