

SUPPLEMENTARY MATERIAL

Nematicidal Activities of Diamides with Diphenylacetylene Scaffold against *Meloidogyne Incognita*

Jiling Li, Zhicheng Zhang, Xiaoyong Xu, Xusheng Shao* and Zhong Li*

Shanghai Key Laboratory of Chemical Biology, School of Pharmacy, East China University of Science and Technology, Shanghai 200237, China.

*Corresponding authors: Zhong Li: Fax: +86-21-64252603. E-mail: lizhong@ecust.edu.cn

Xusheng Shao: Fax: +86-21-64252603. E-mail: shaoxusheng@ecust.edu.cn

Table of Contents

1. NMR spectra

S2–S18

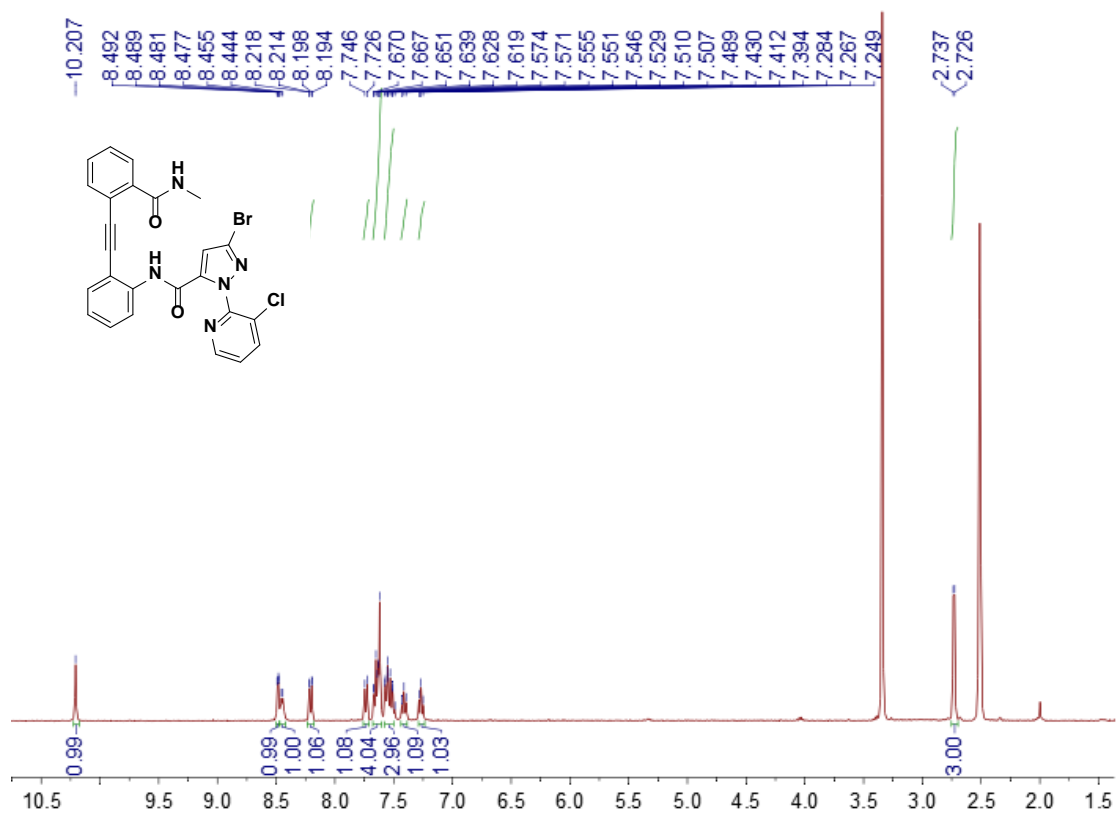


Figure S1: ^1H NMR spectrum of **9a** in DMSO- d_6 at 294 K.

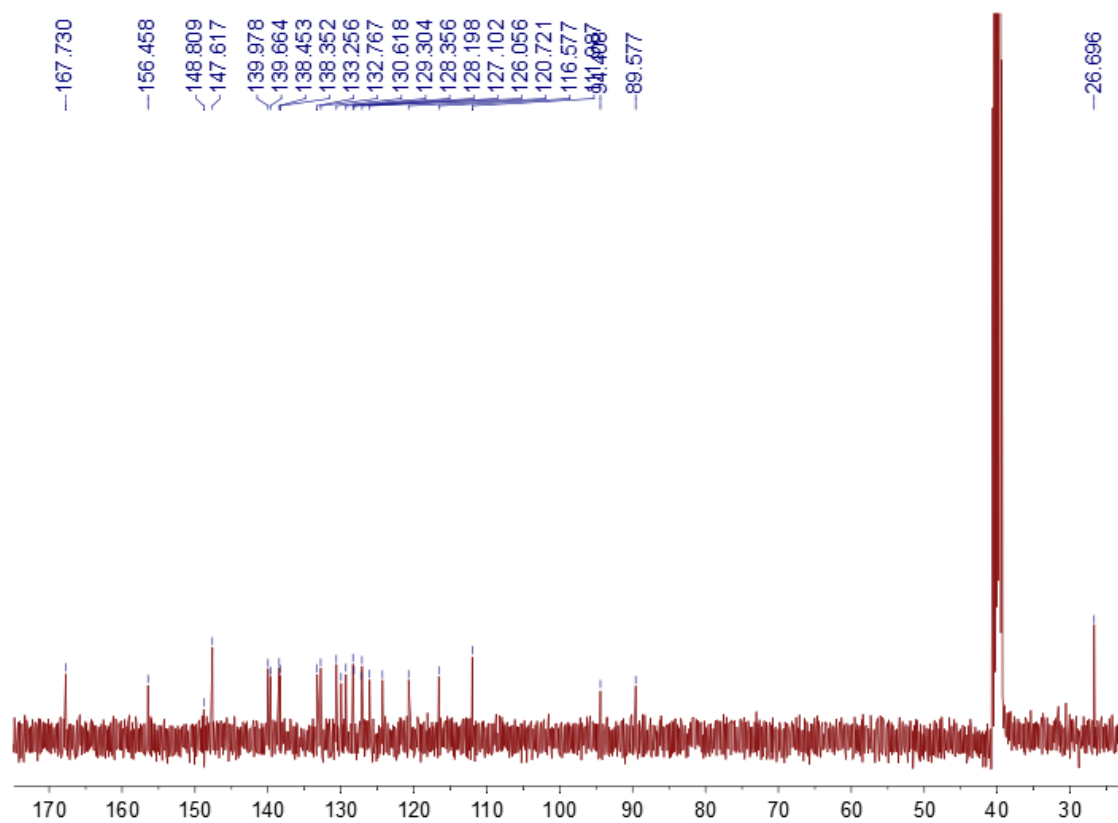


Figure S2: ^{13}C NMR spectrum (100 MHz) of **9a** in DMSO- d_6 at 294 K.

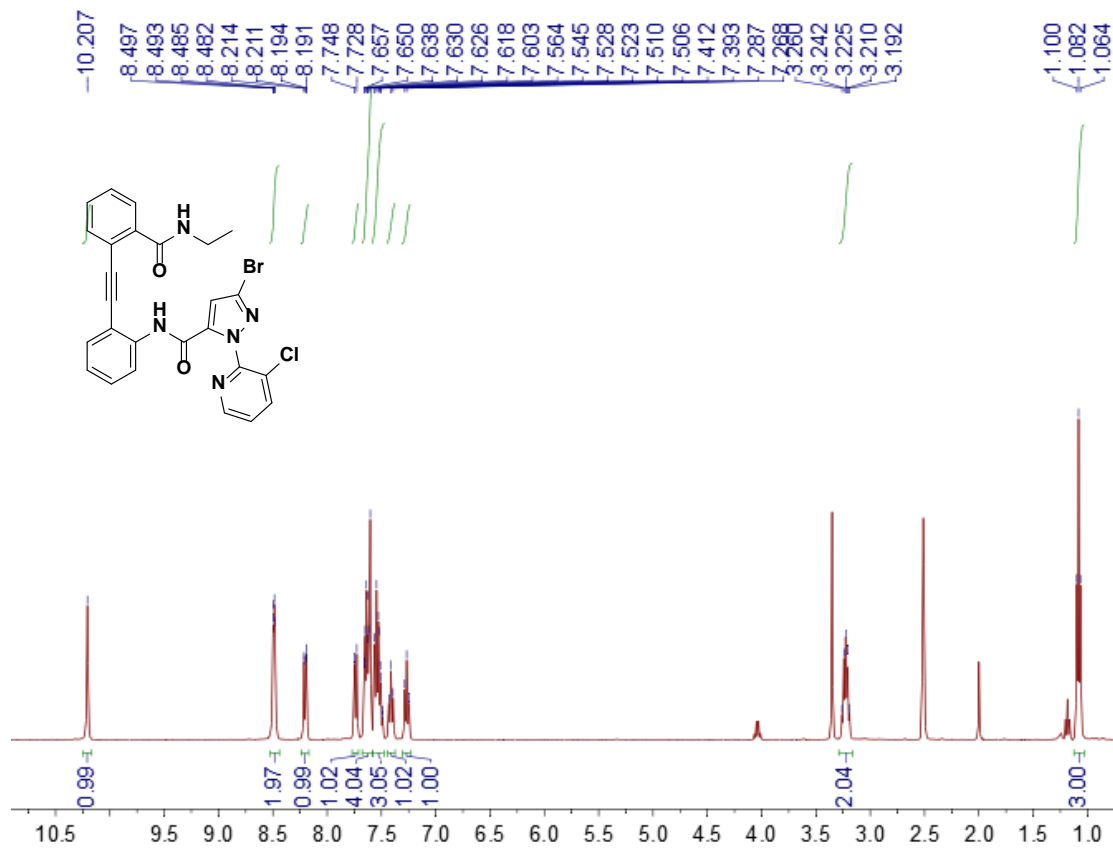


Figure S3: ¹H NMR spectrum of **9b** in DMSO-*d*₆ at 294 K.

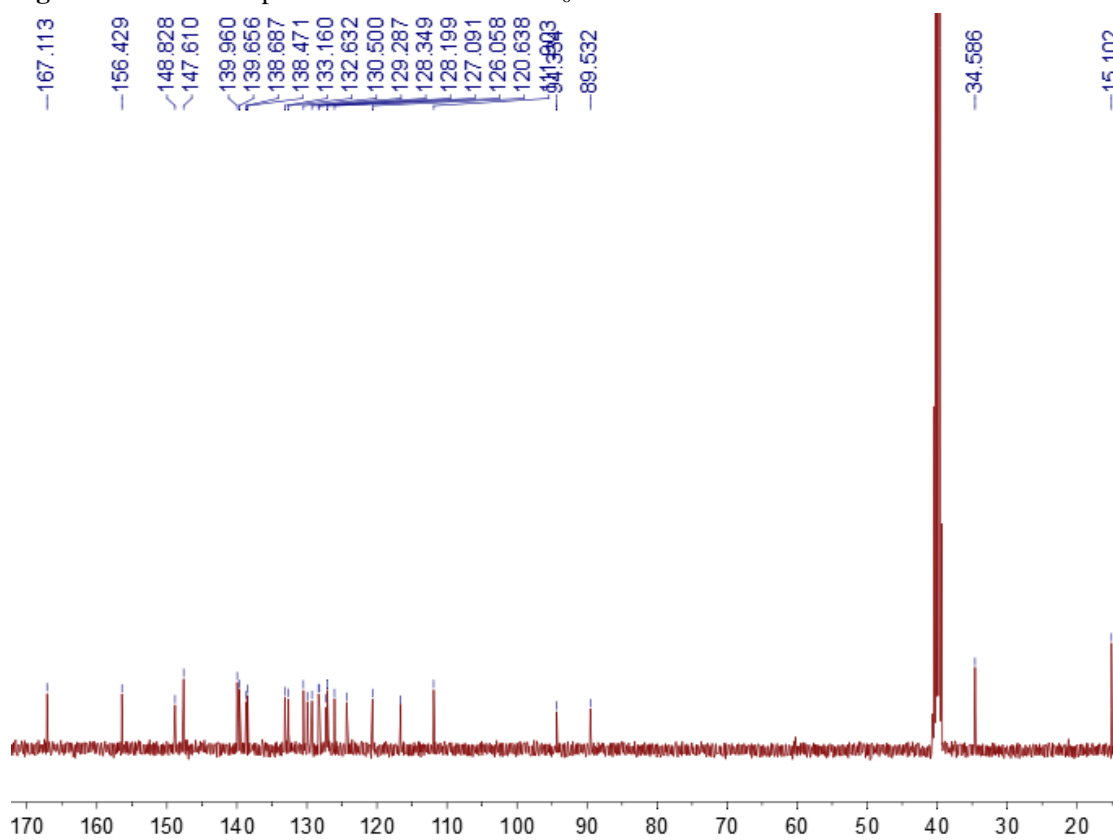


Figure S4: ¹³C NMR spectrum (100 MHz) of **9b** in DMSO-*d*₆ at 294 K.

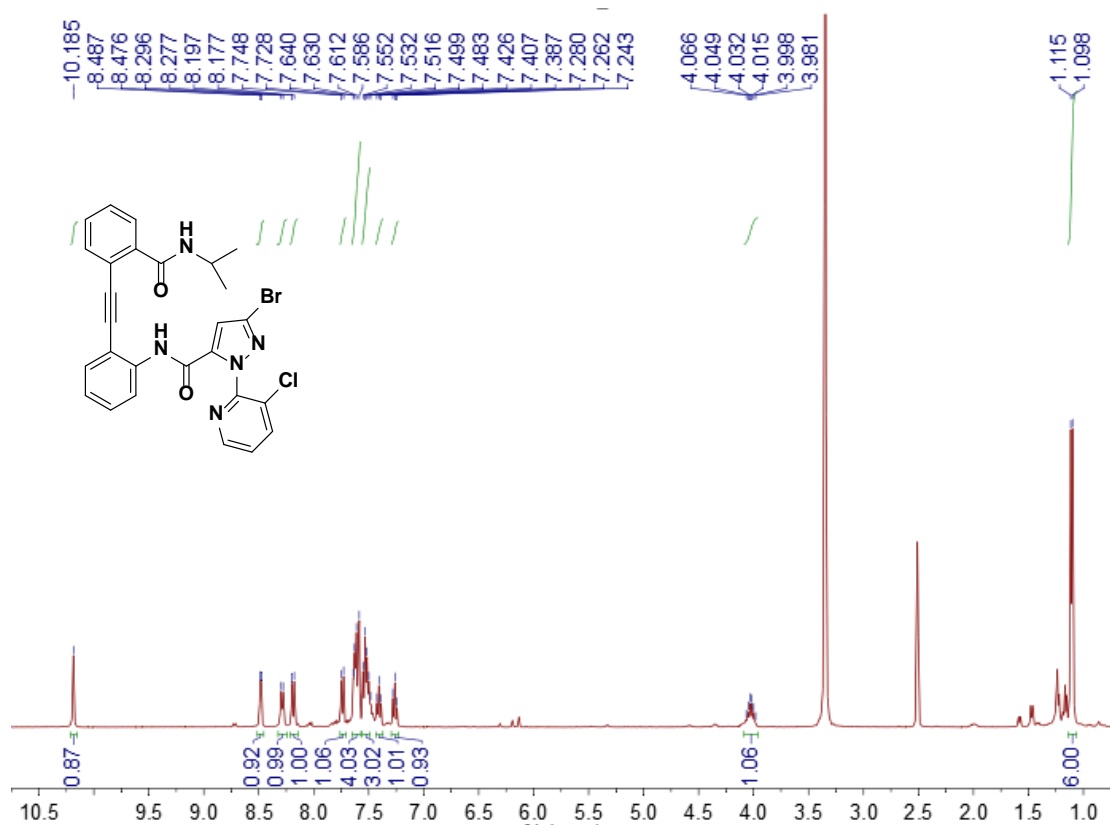


Figure S5: ¹H NMR spectrum of **9c** in DMSO-*d*₆ at 294 K.

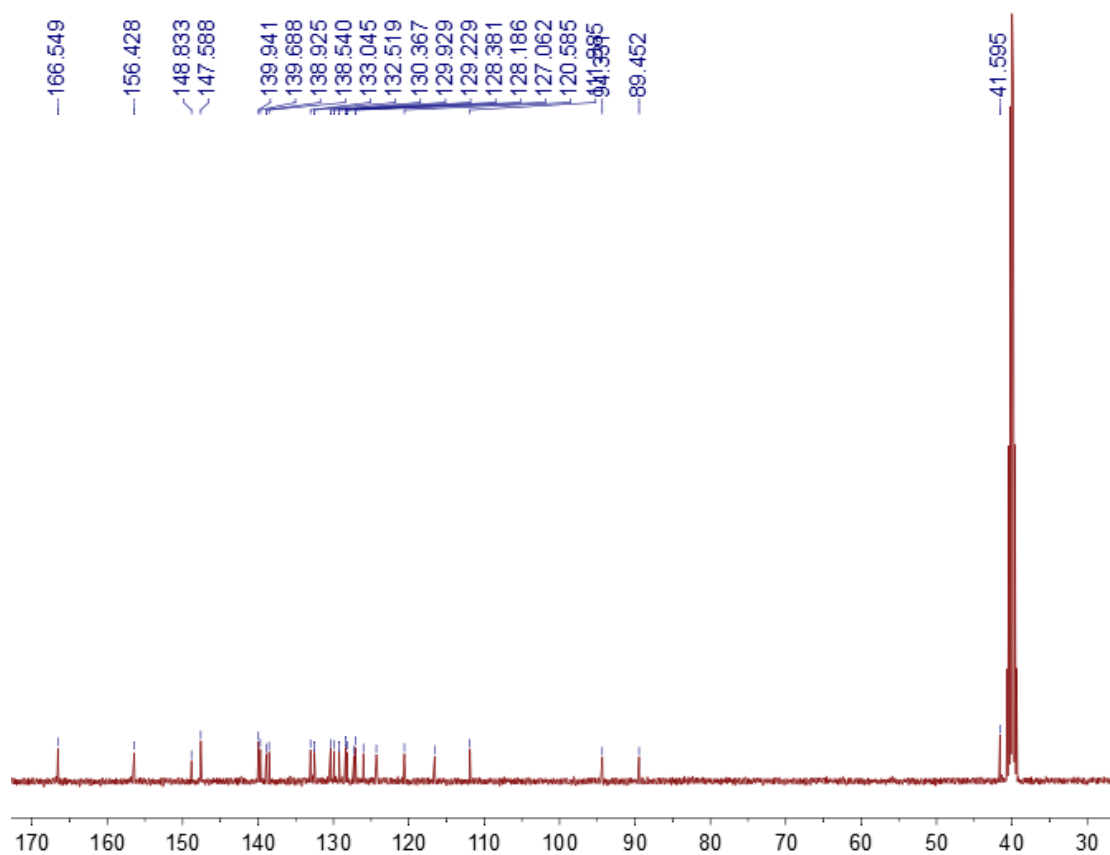


Figure S6: ¹³C NMR spectrum (100 MHz) of **9c** in DMSO-*d*₆ at 294 K.

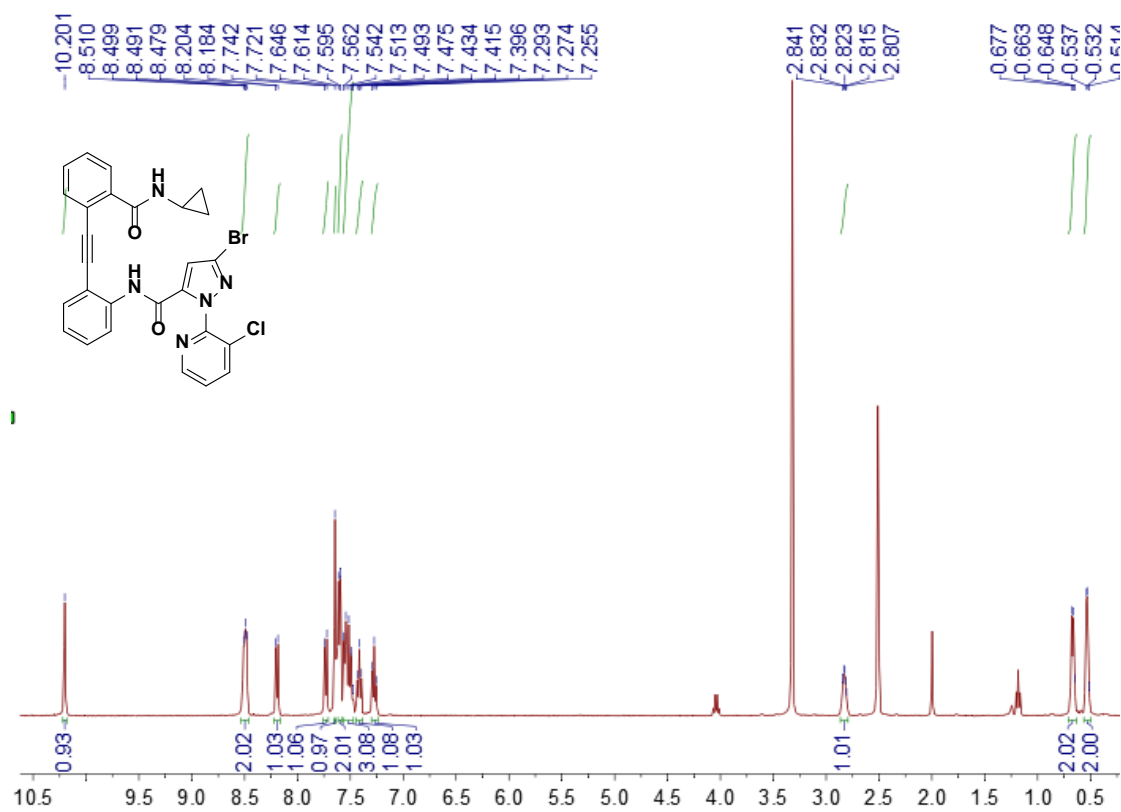


Figure S7: ¹H NMR spectrum of **9d** in DMSO-*d*₆ at 294 K.

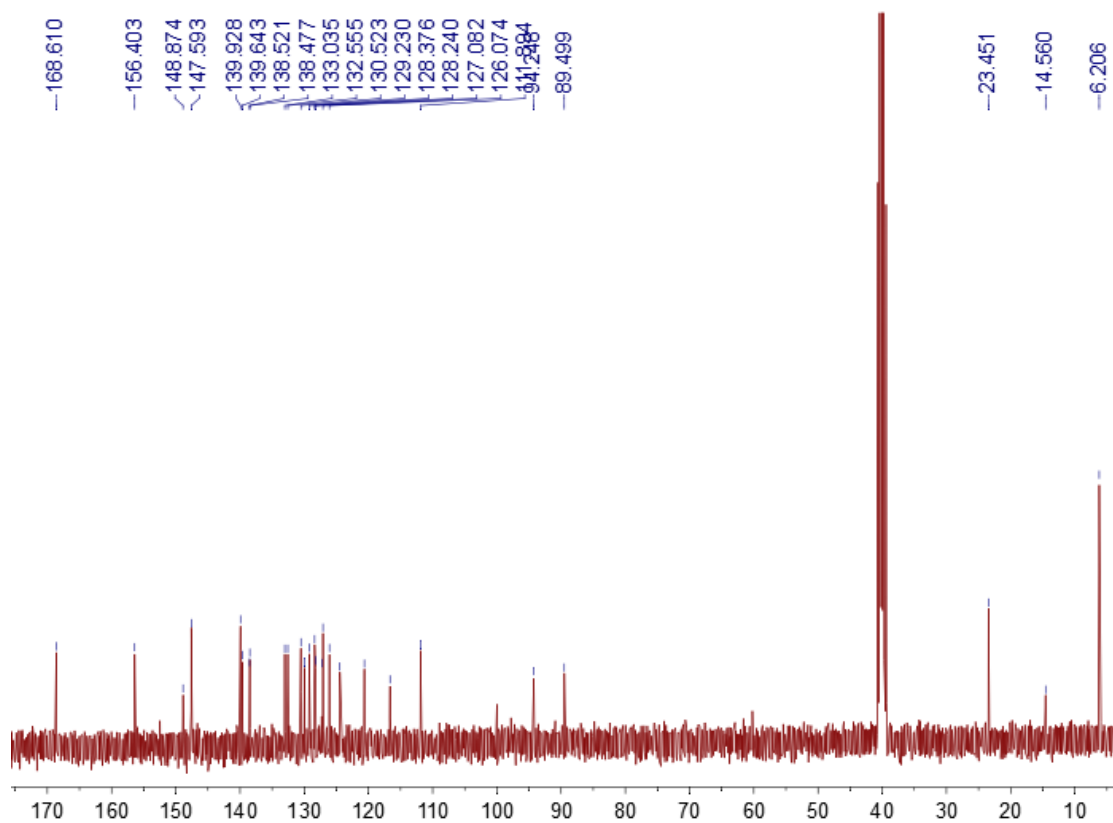


Figure S8: ¹³C NMR spectrum (100 MHz) of **9d** in DMSO-*d*₆ at 294 K.

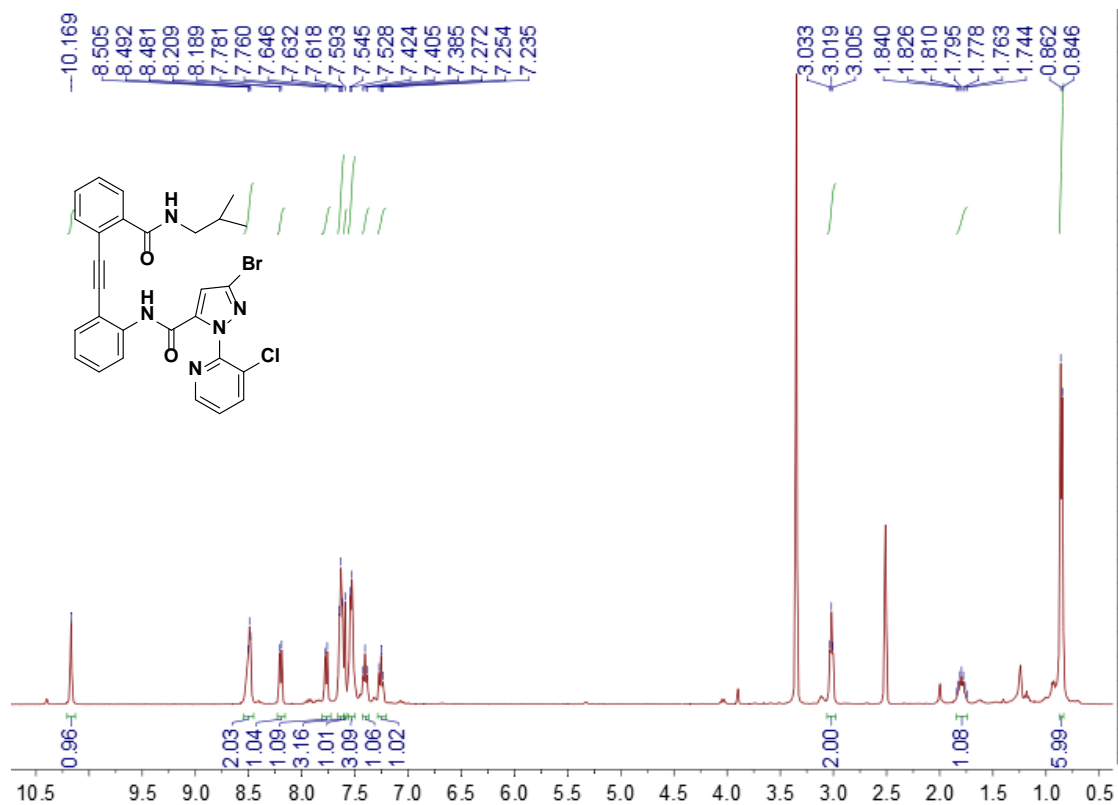


Figure S9: ^1H NMR spectrum of **9e** in $\text{DMSO-}d_6$ at 294 K.

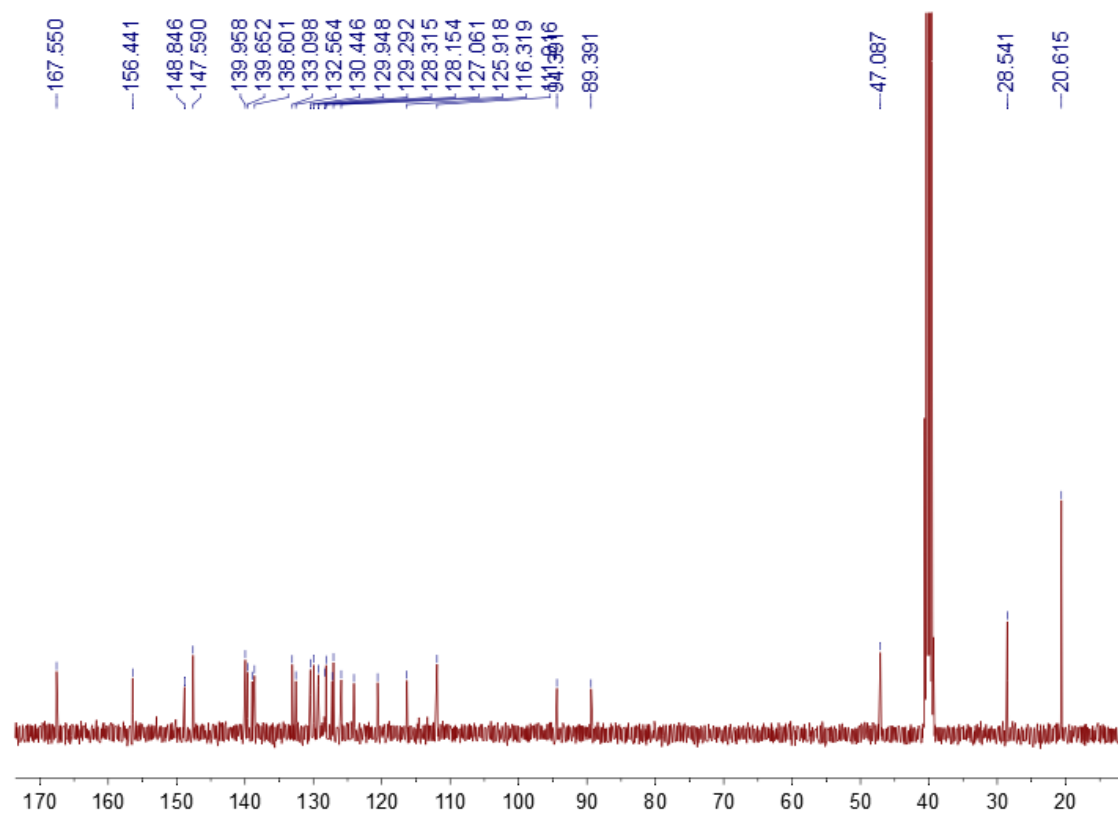


Figure S10: ^{13}C NMR spectrum (100 MHz) of **9e** in $\text{DMSO-}d_6$ at 294 K.

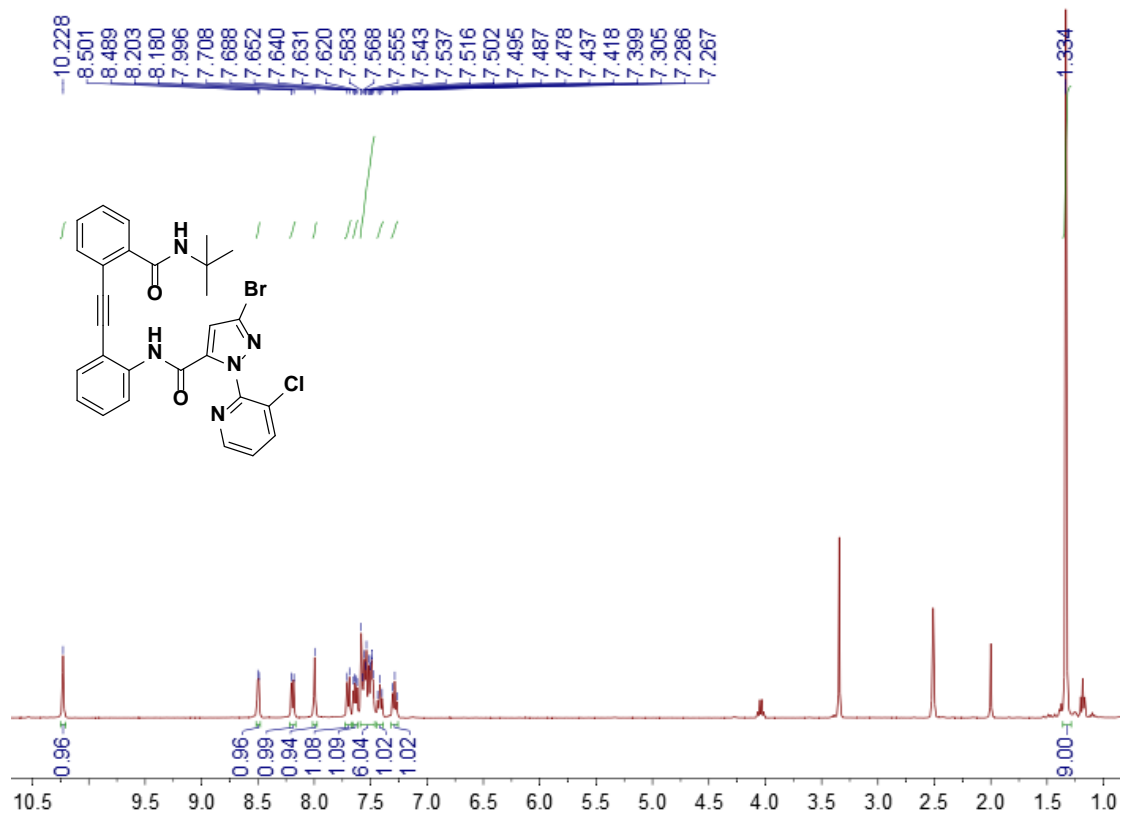


Figure S11: ^1H NMR spectrum of **9f** in $\text{DMSO-}d_6$ at 294 K.

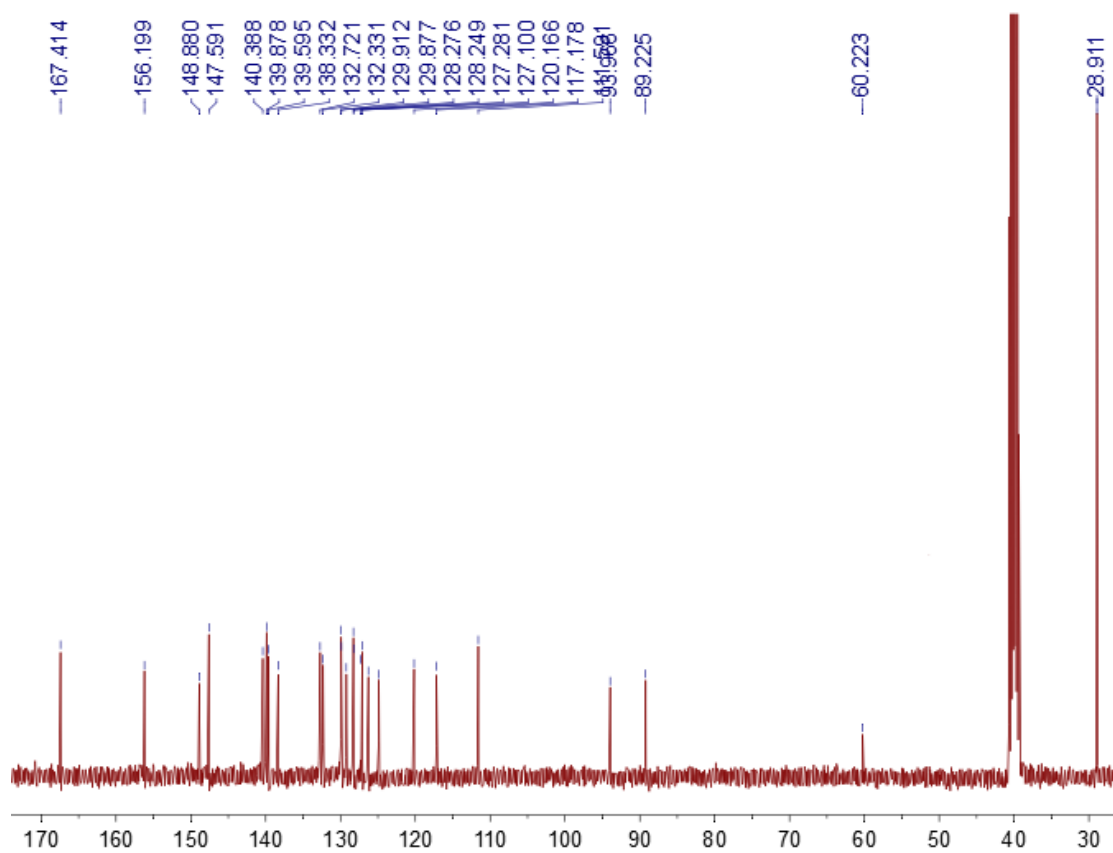


Figure S12: ^{13}C NMR spectrum (100 MHz) of **9f** in $\text{DMSO-}d_6$ at 294 K.

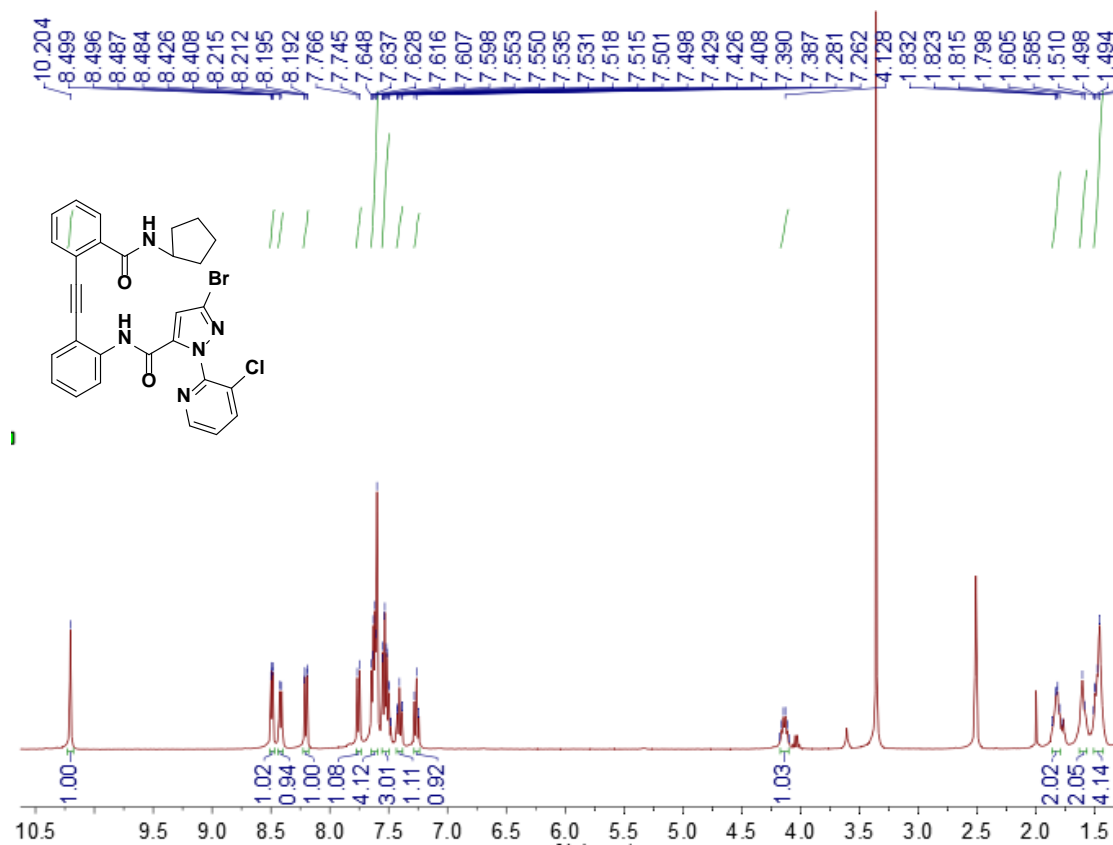


Figure S13: ^1H NMR spectrum of **9g** in $\text{DMSO-}d_6$ at 294 K.

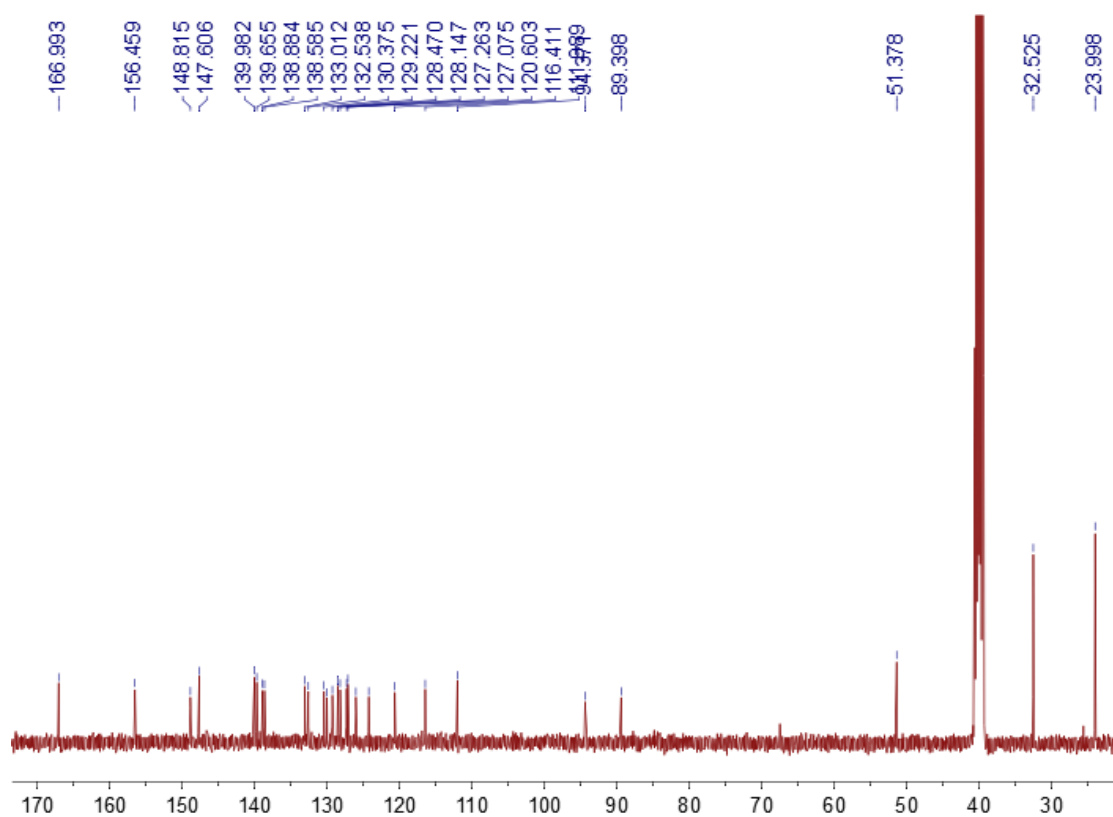


Figure S14: ^{13}C NMR spectrum (100 MHz) of **9g** in $\text{DMSO-}d_6$ at 294 K.

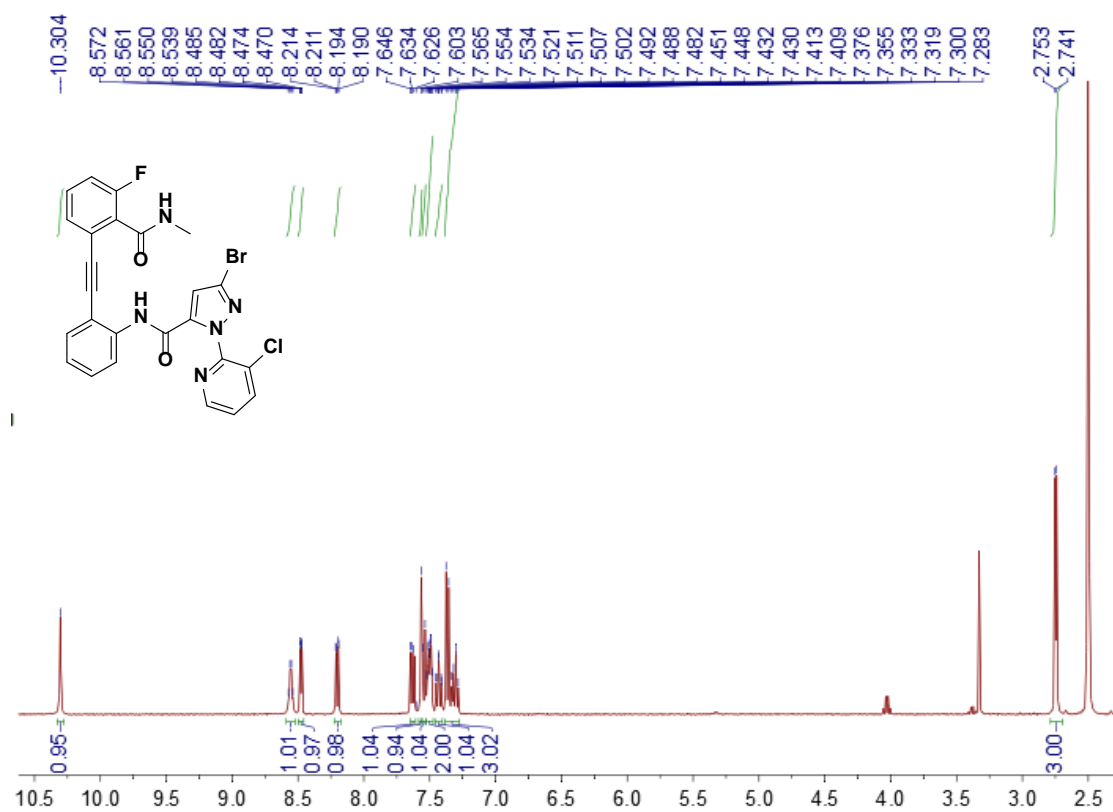


Figure S15: ¹H NMR spectrum of **9h** in DMSO-*d*₆ at 294 K.

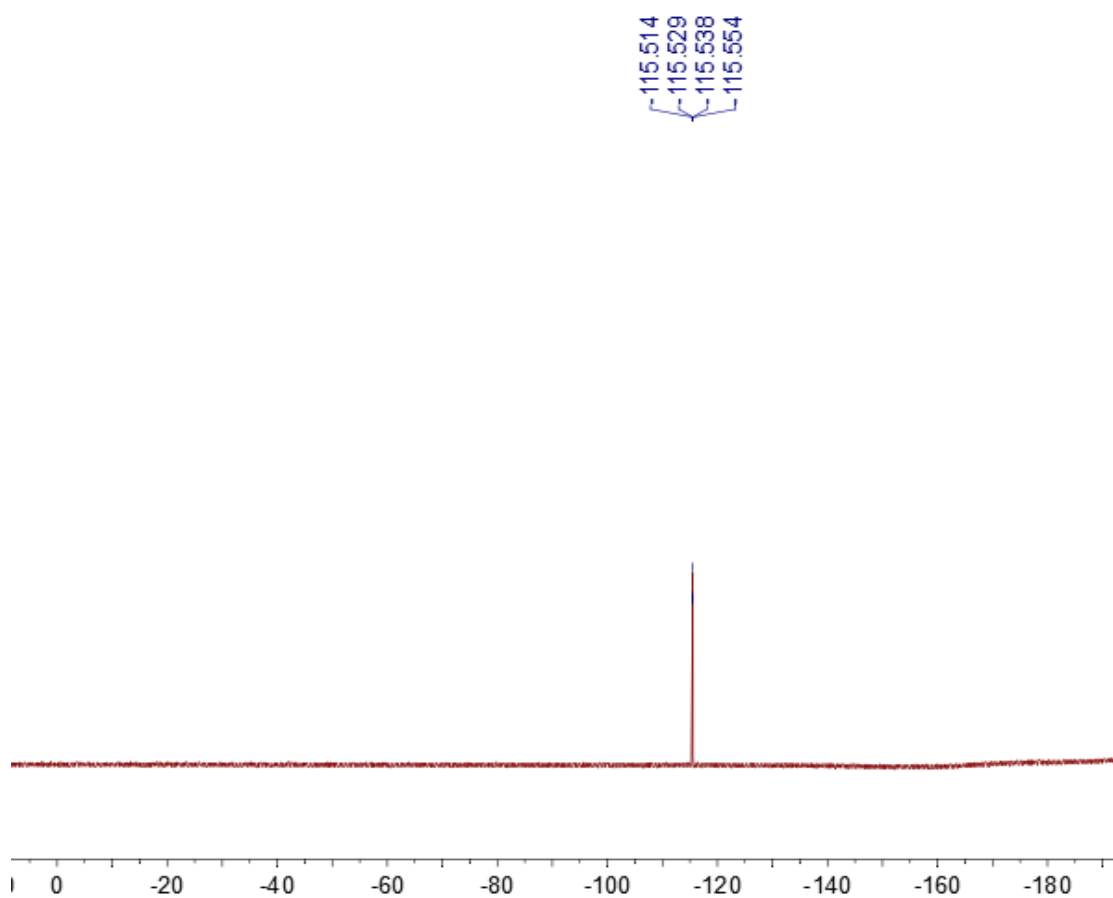


Figure S16: ¹⁹F NMR spectrum (376 MHz) of **9h** in DMSO-*d*₆ at 294 K.

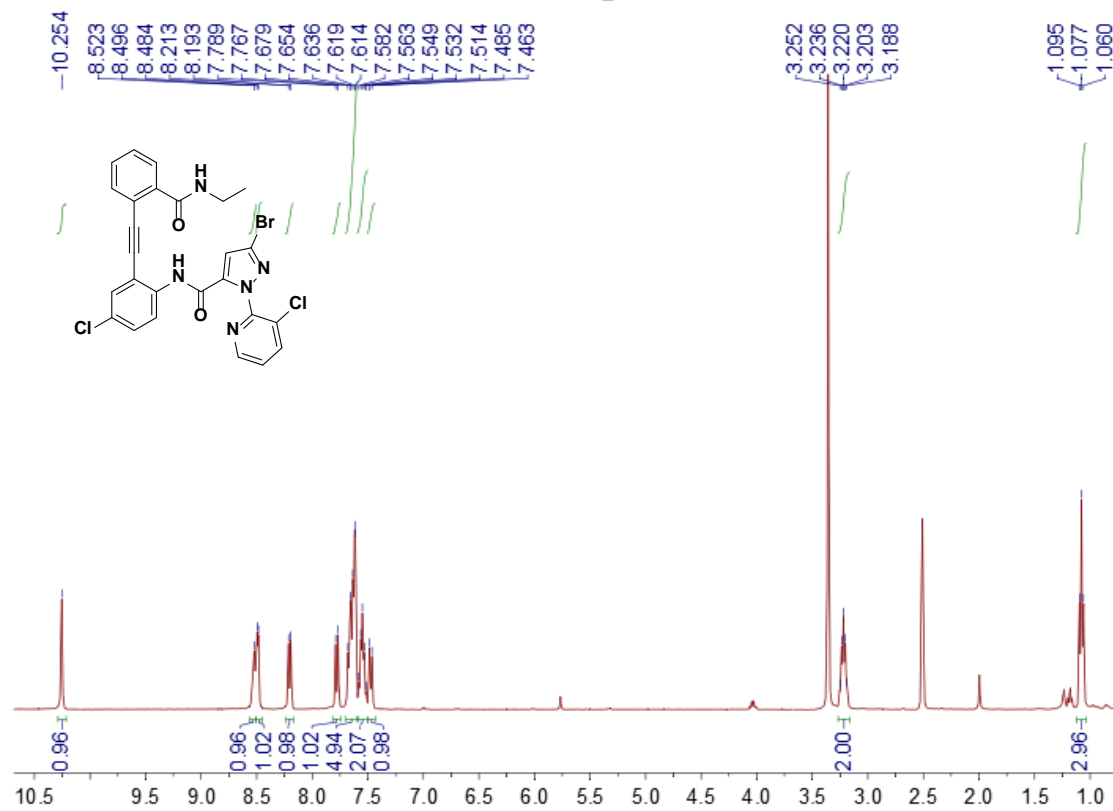


Figure S17: ^1H NMR spectrum of **9i in $\text{DMSO-}d_6$ at 294 K.**

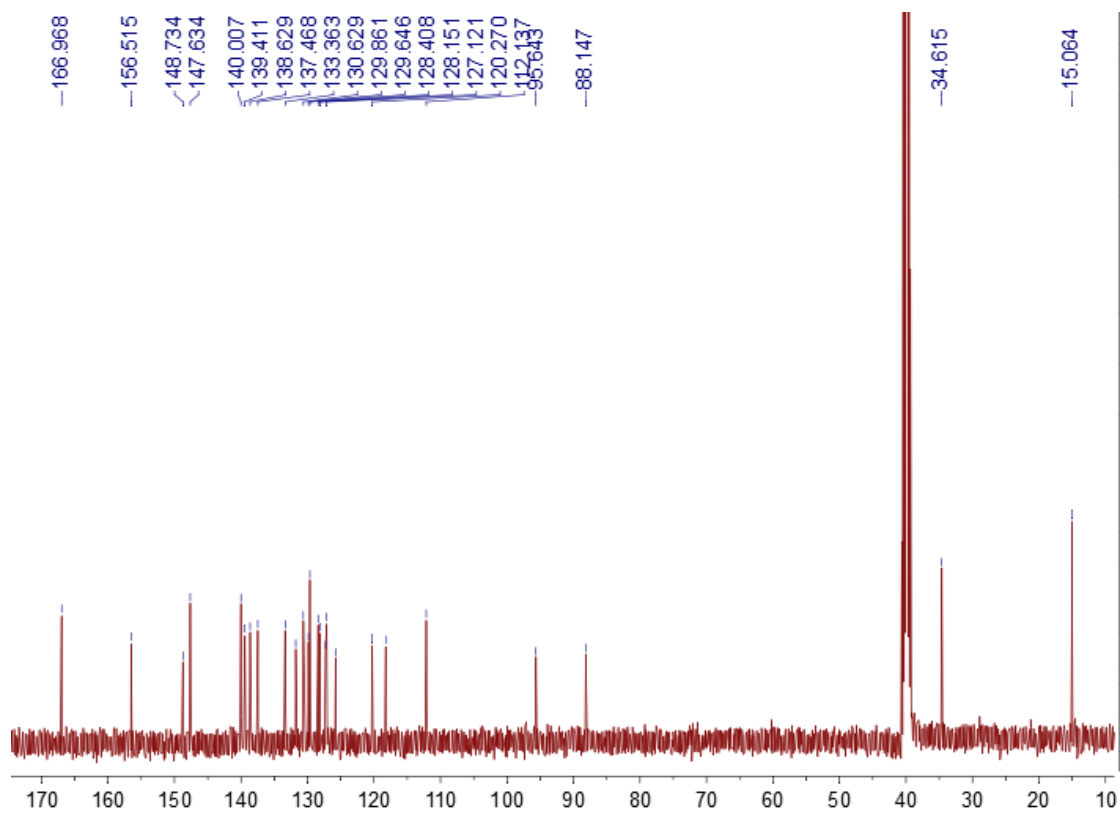


Figure S18: ^{13}C NMR spectrum (100 MHz) of **9i in $\text{DMSO-}d_6$ at 294 K.**

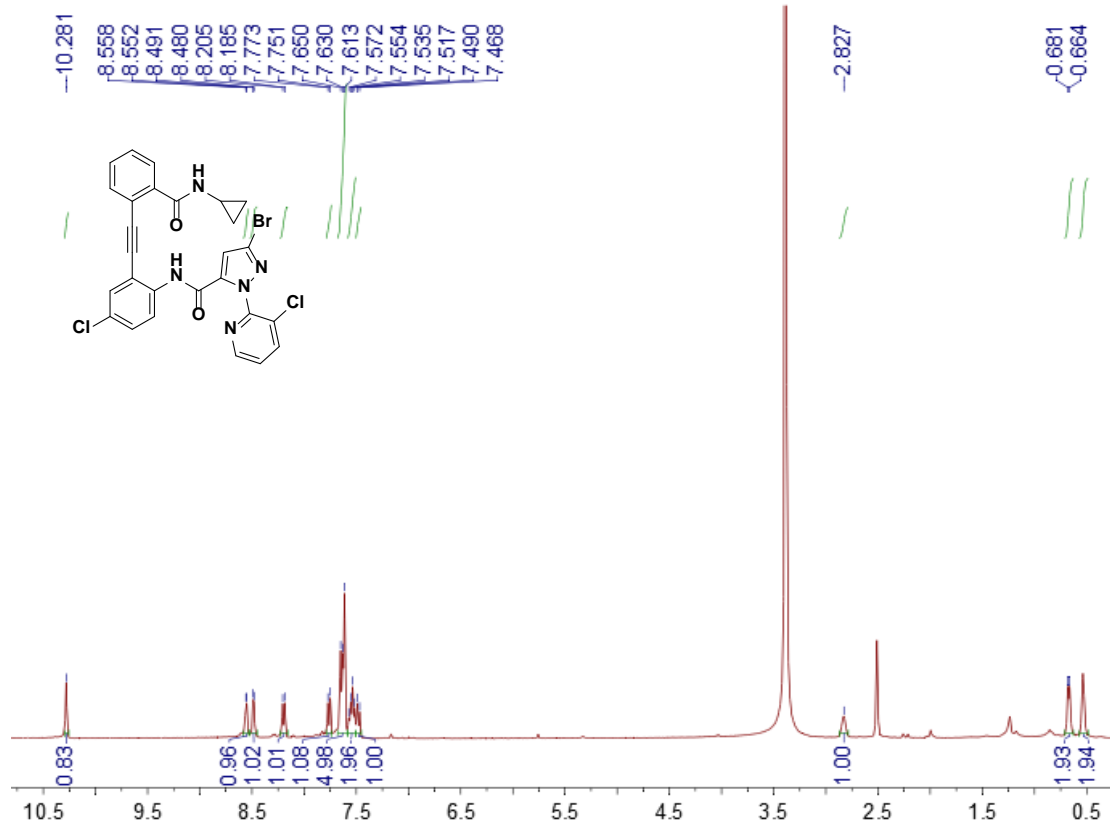


Figure S19: ^1H NMR spectrum of **9j** in $\text{DMSO-}d_6$ at 294 K.

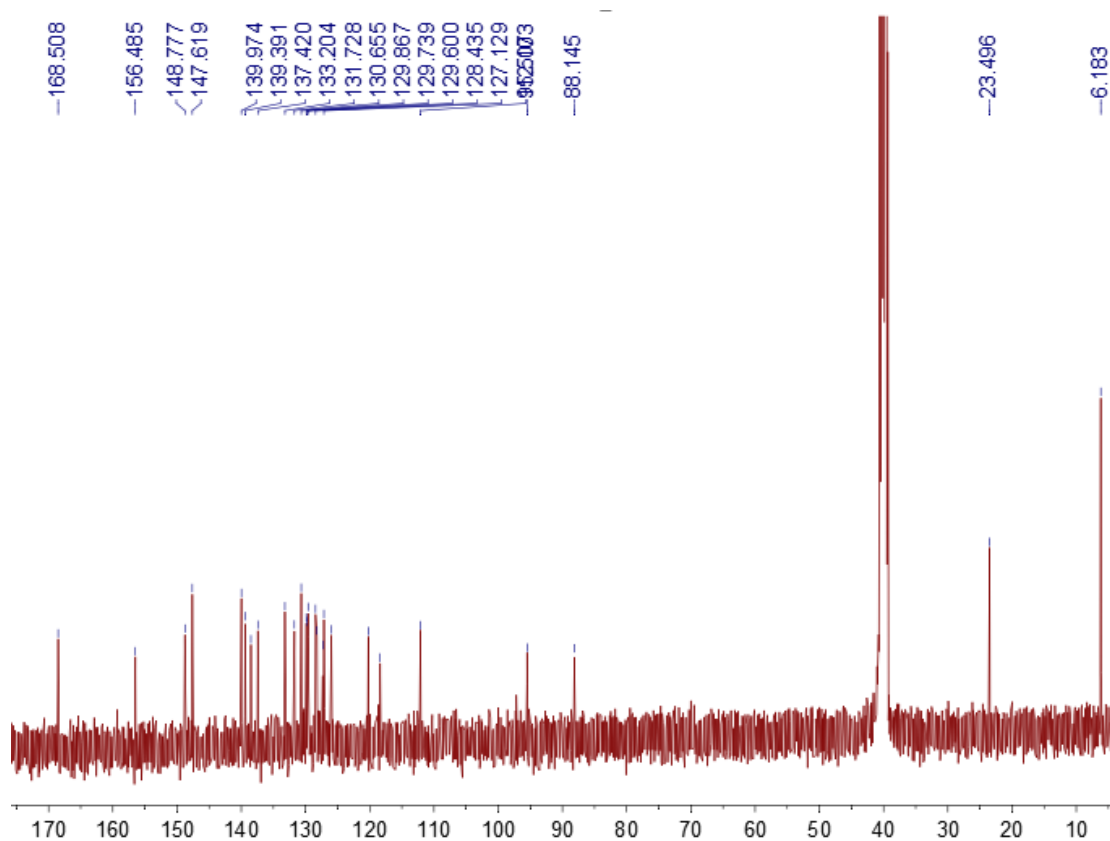


Figure S20: ^{13}C NMR spectrum (100 MHz) of **9j** in $\text{DMSO-}d_6$ at 294 K.

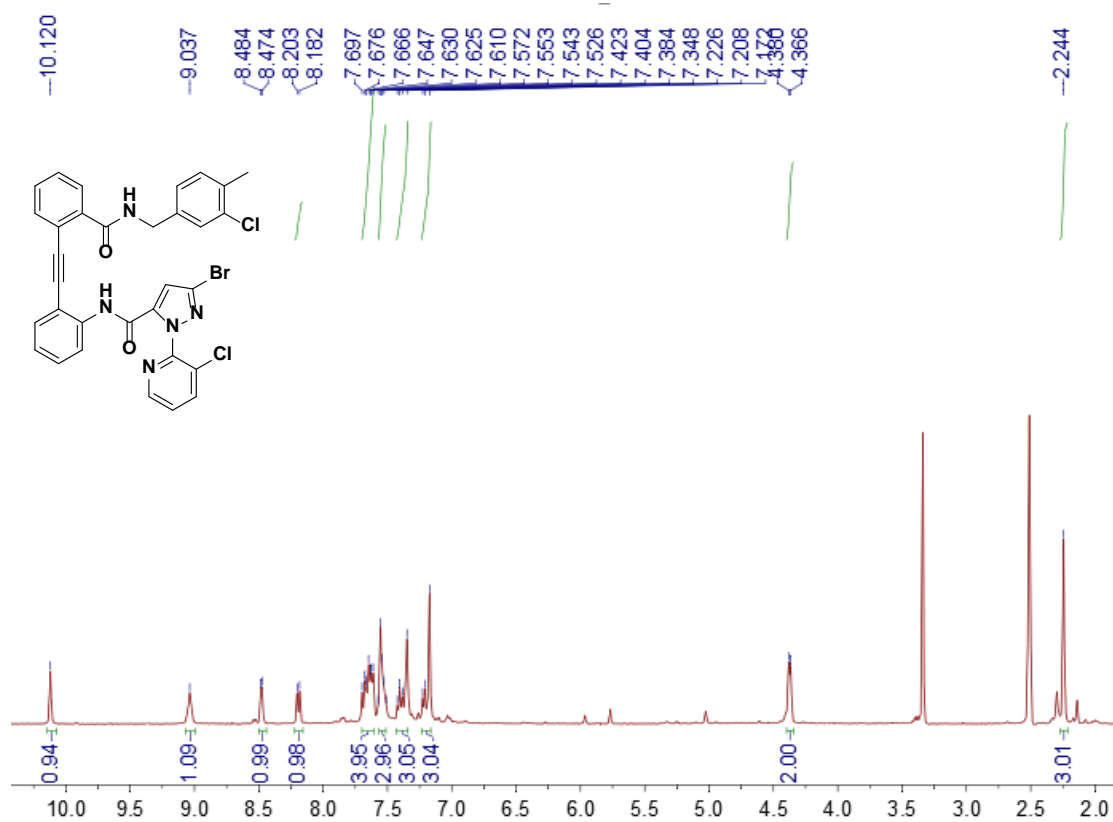


Figure S21: ¹H NMR spectrum of **9k** in DMSO-*d*₆ at 294 K.

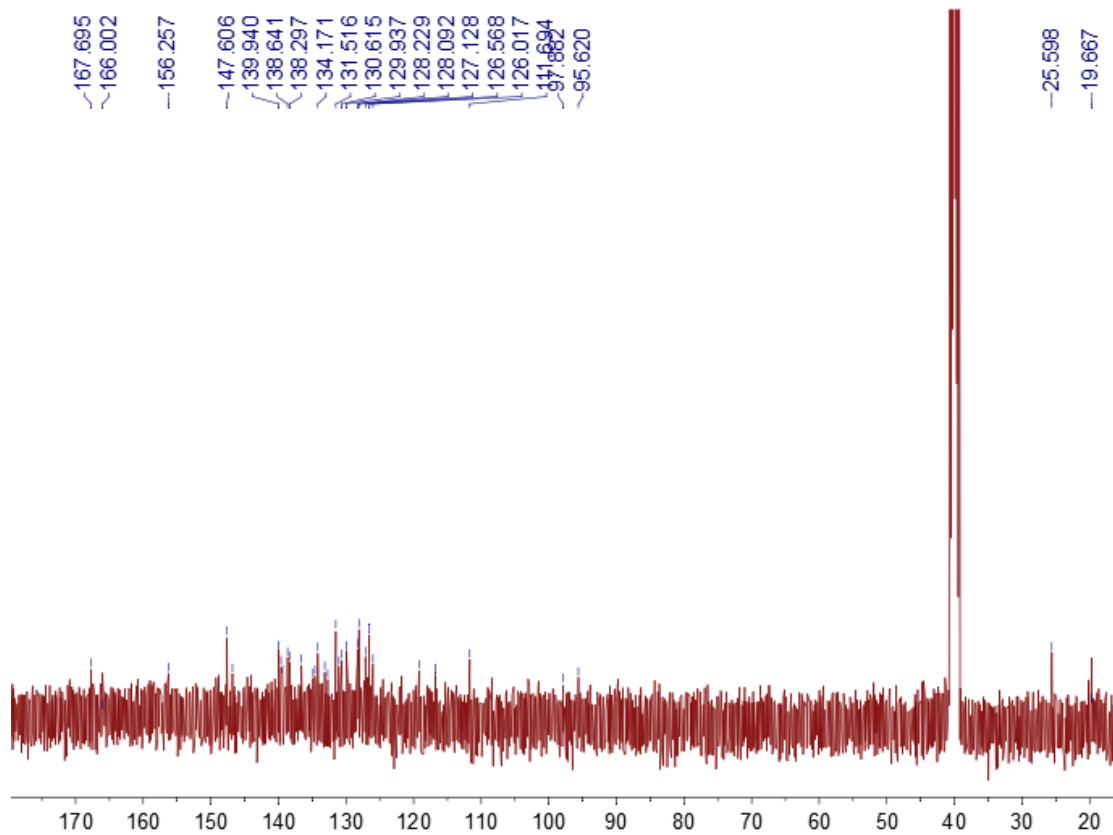


Figure S22: ¹³C NMR spectrum (100 MHz) of **9k** in DMSO-*d*₆ at 294 K.

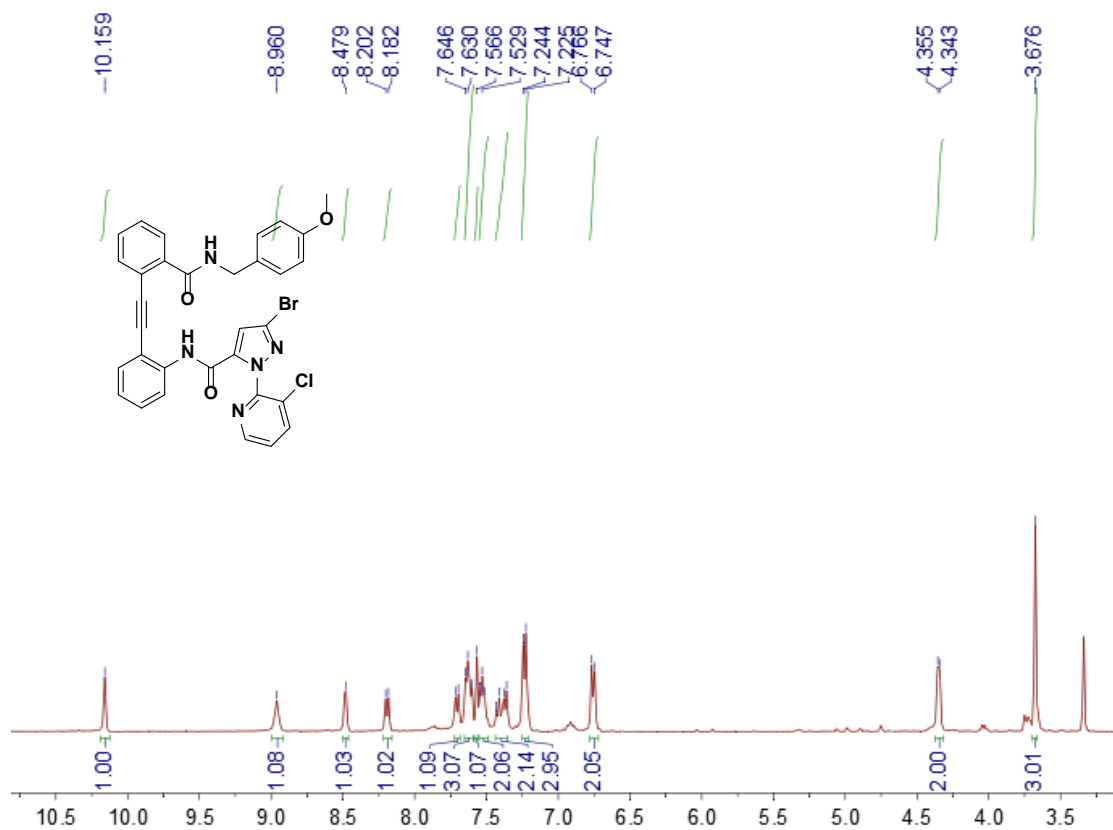


Figure S23: ^1H NMR spectrum of **91** in $\text{DMSO-}d_6$ at 294 K.

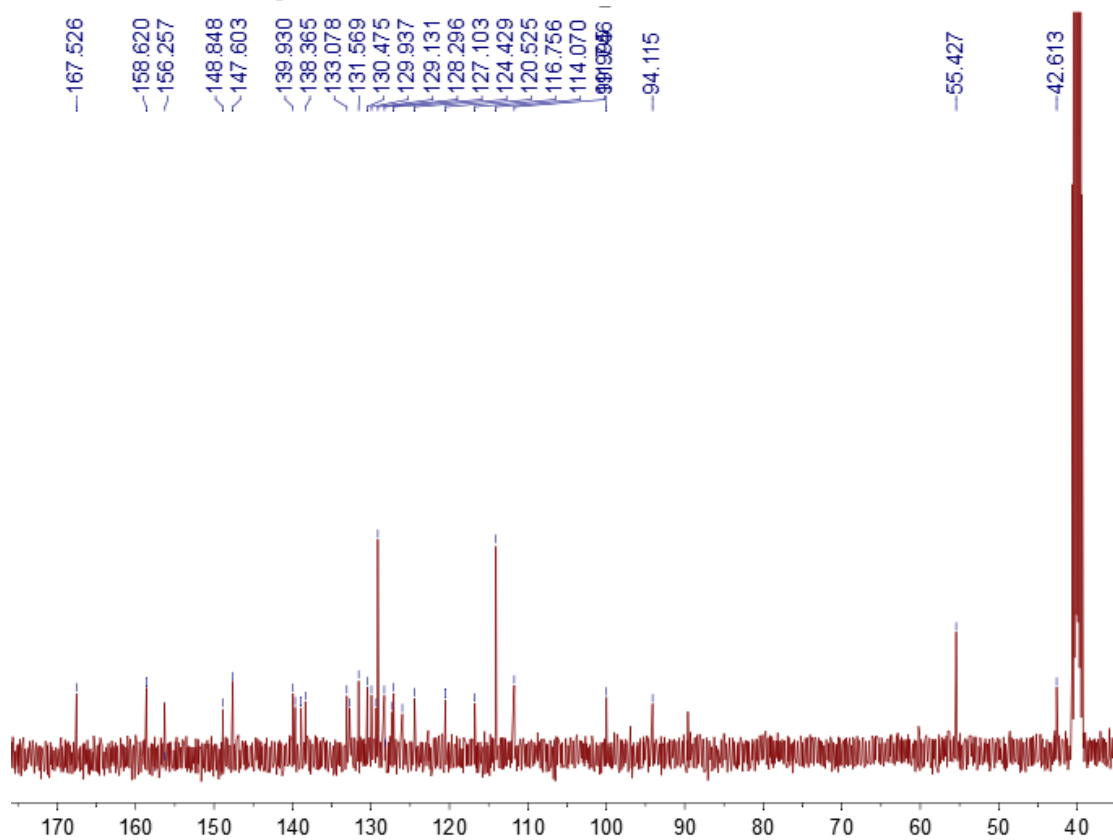


Figure S24: ^{13}C NMR spectrum (100 MHz) of **91** in $\text{DMSO-}d_6$ at 294 K.

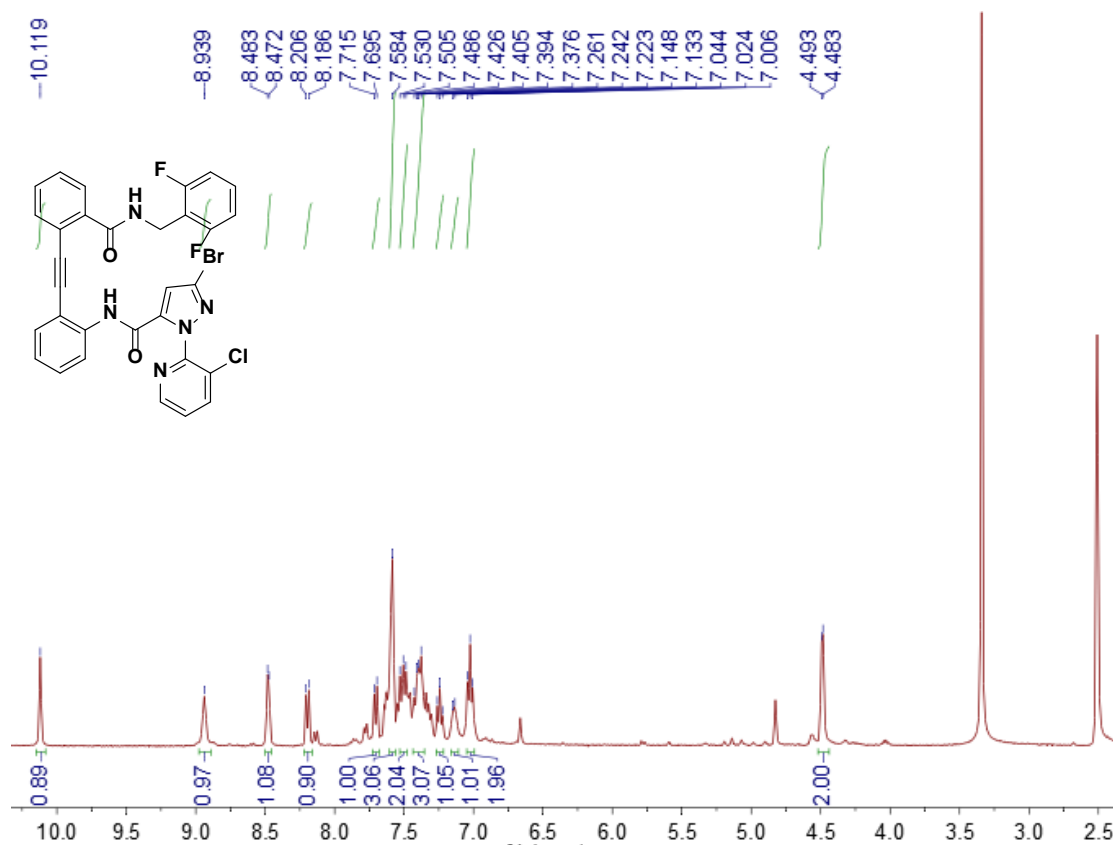


Figure S25: ^1H NMR spectrum of **9m** in DMSO- d_6 at 294 K.

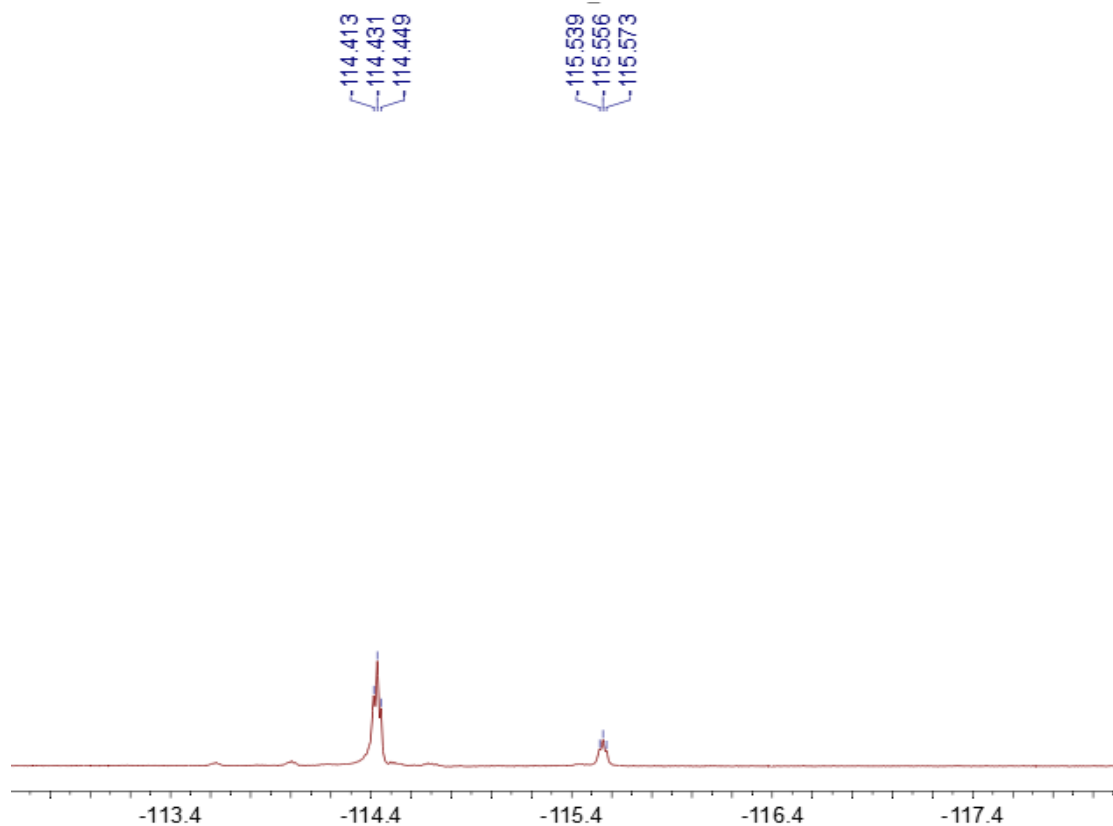


Figure S26: ^{19}F NMR spectrum (376 MHz) of **9m** in DMSO- d_6 at 294 K.

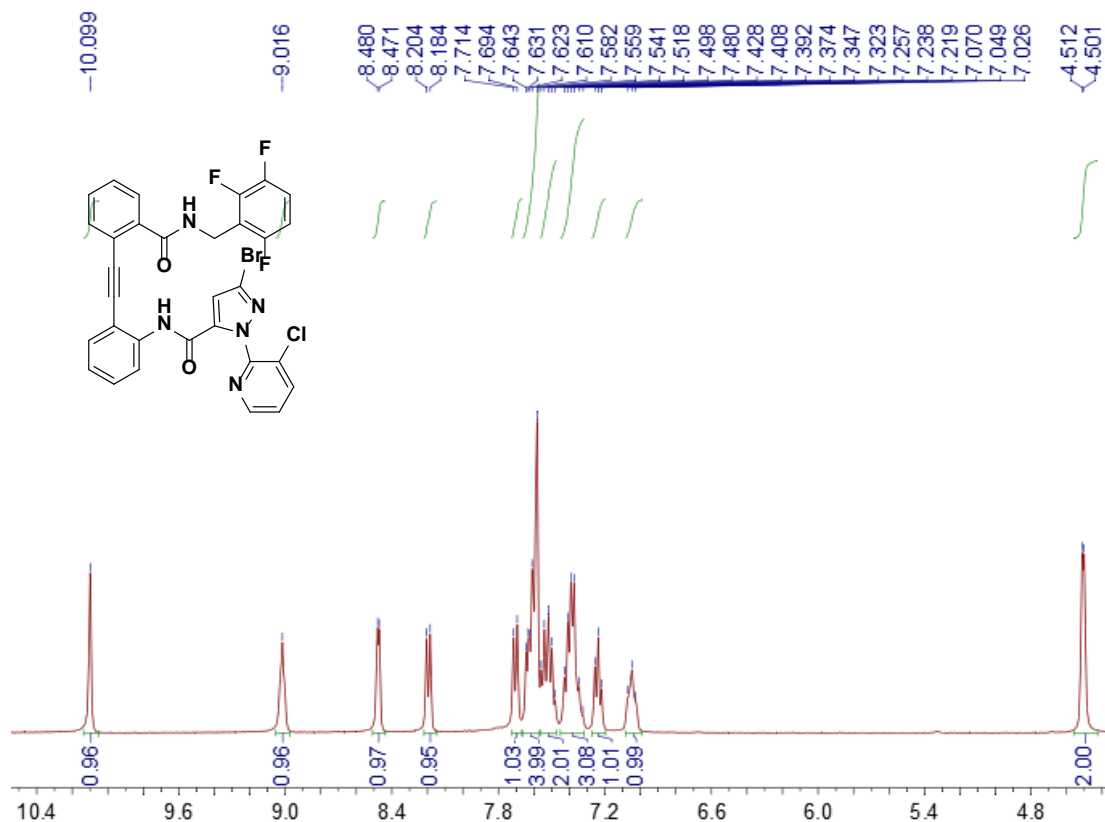


Figure S27: ^1H NMR spectrum of **9n** in DMSO- d_6 at 294 K.

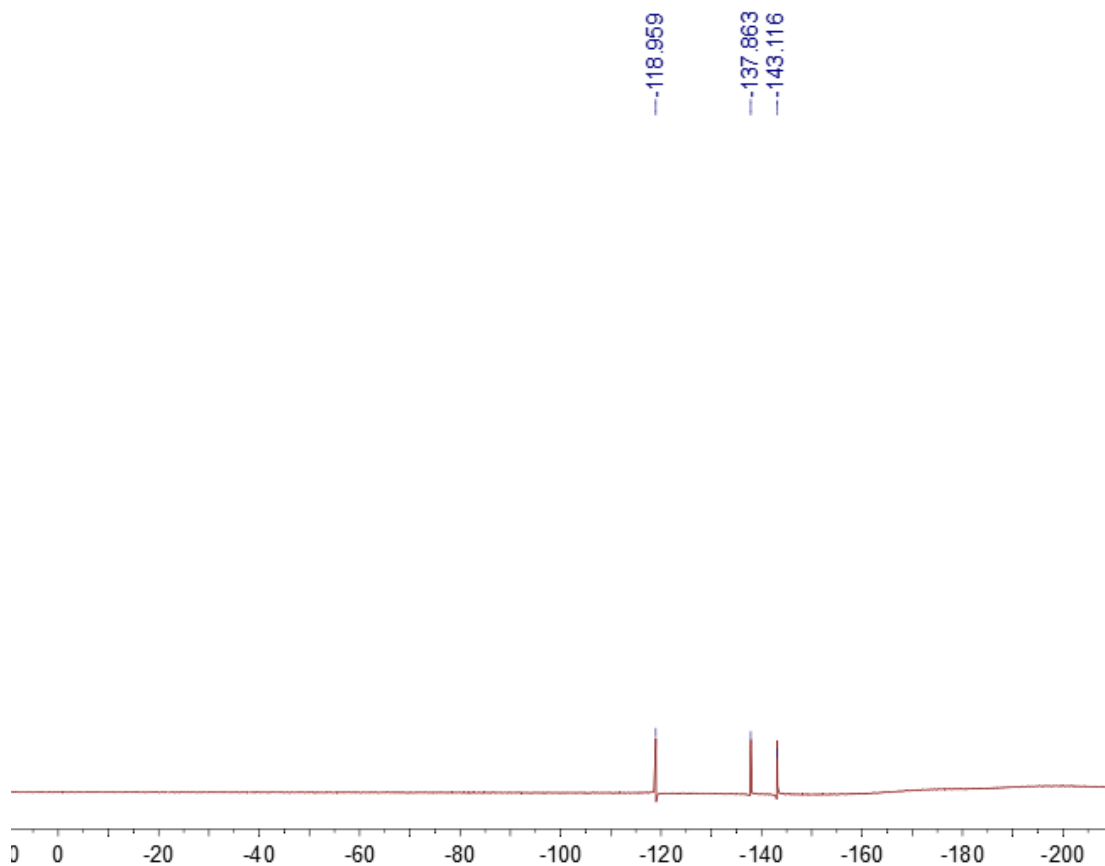


Figure S28: ^{19}F NMR spectrum (376 MHz) of **9n** in DMSO- d_6 at 294 K.

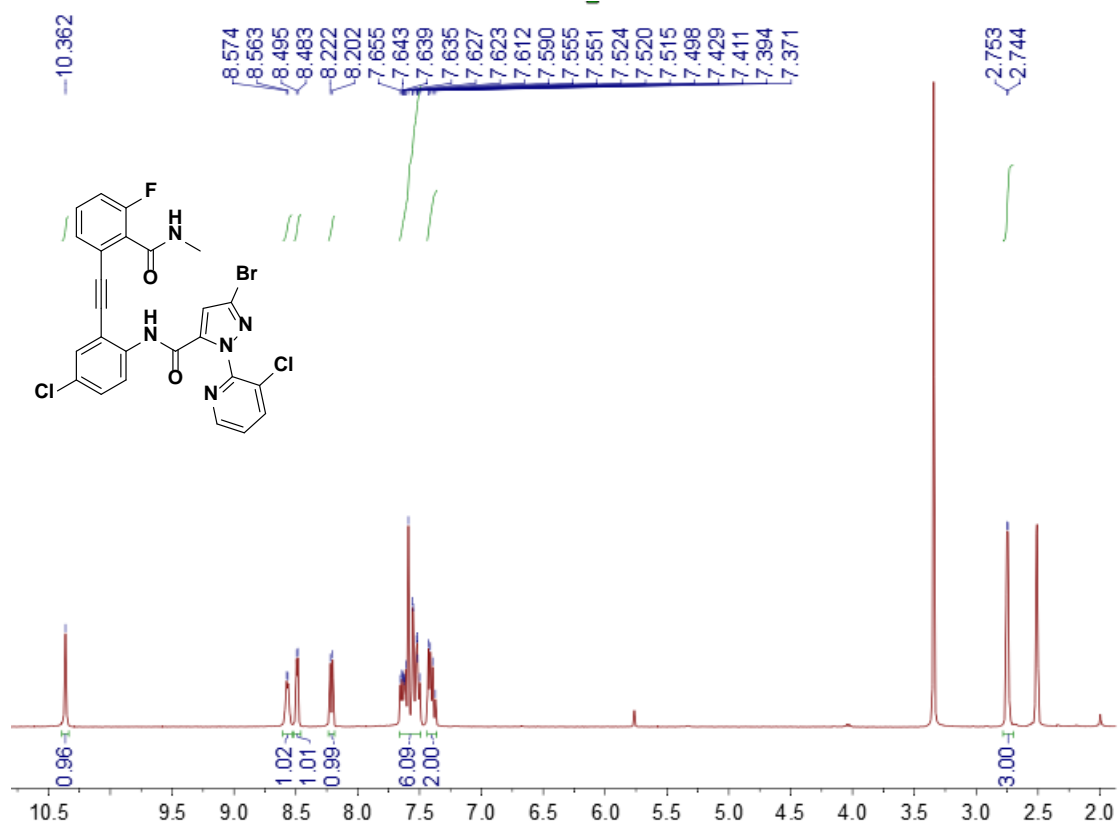


Figure S29: ¹H NMR spectrum of **9o** in DMSO-*d*₆ at 294 K.

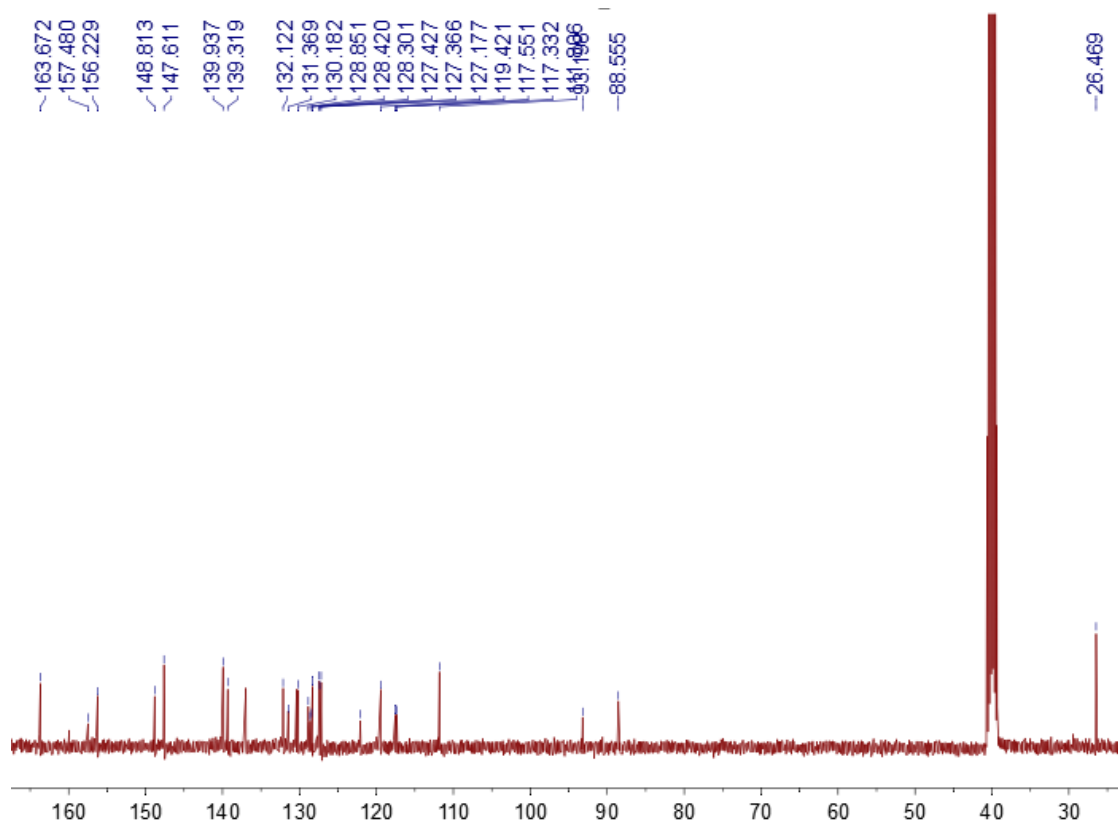


Figure S30: ¹³C NMR spectrum (100 MHz) of **9o** in DMSO-*d*₆ at 294 K.

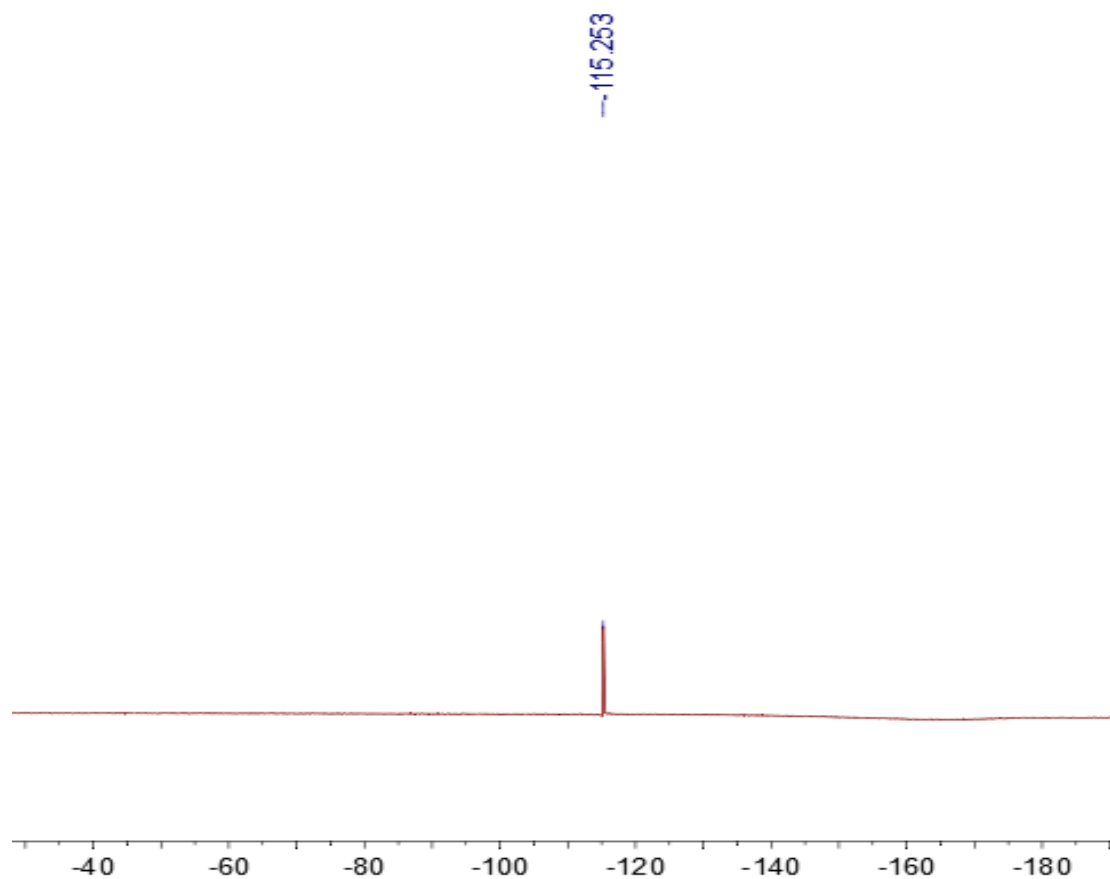


Figure S31: ^{19}F NMR spectrum (376 MHz) of **9o** in $\text{DMSO-}d_6$ at 294 K.

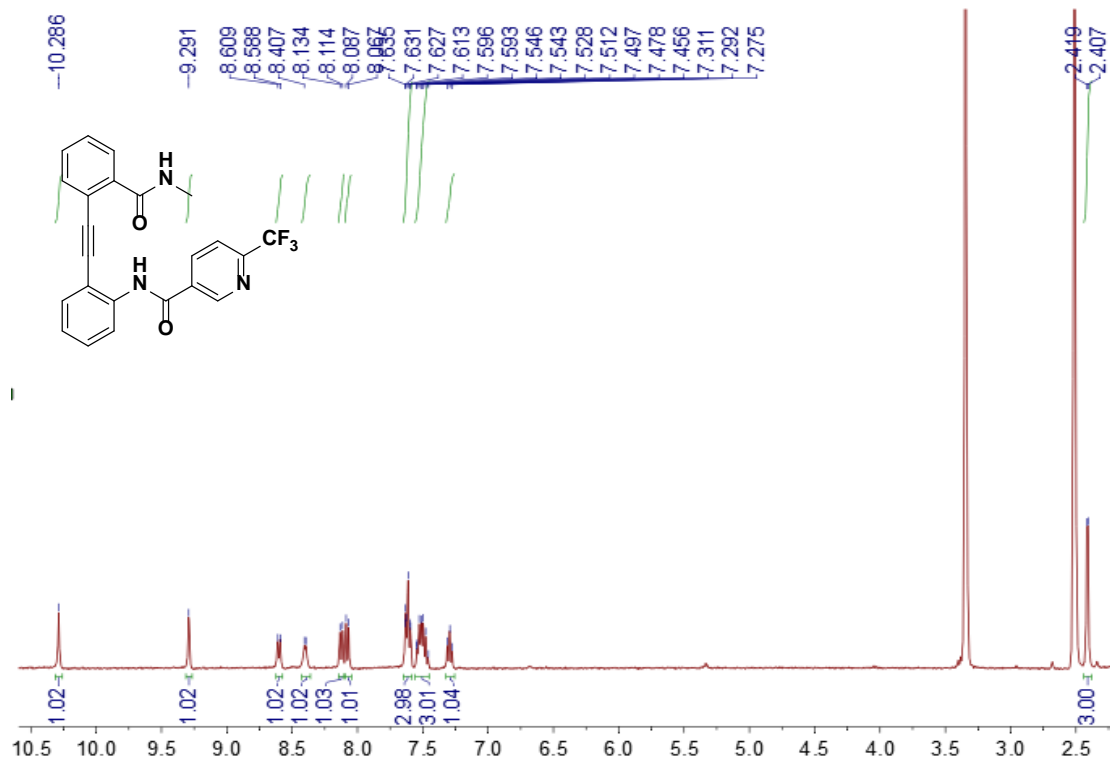


Figure S32: ^1H NMR spectrum of **9p** in $\text{DMSO-}d_6$ at 294 K.

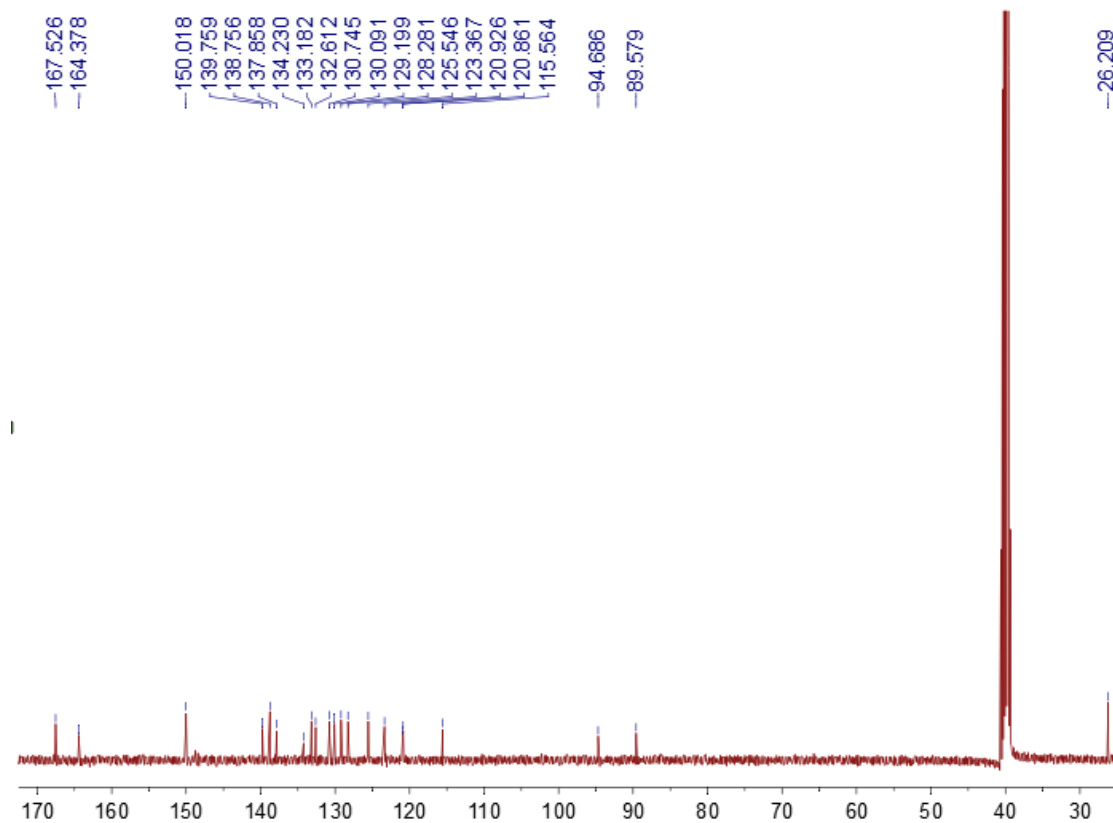


Figure S33: ^{13}C NMR spectrum (100 MHz) of **9p** in $\text{DMSO-}d_6$ at 294 K.