

Supporting Information

Synthesis and Reactivity of a 9-membered Azaenediyne: Importance of Proximity Effect in N-Alkylation

Sandip Kumar Roy and Amit Basak*

Bioorganic Laboratory, Department of Chemistry, Indian Institute of Technology, Kharagpur, India.

Fax: 91 3222 282252; Tel: 91 3222 283300;

E-mail: absk@chem.iitkgp.ernet.in

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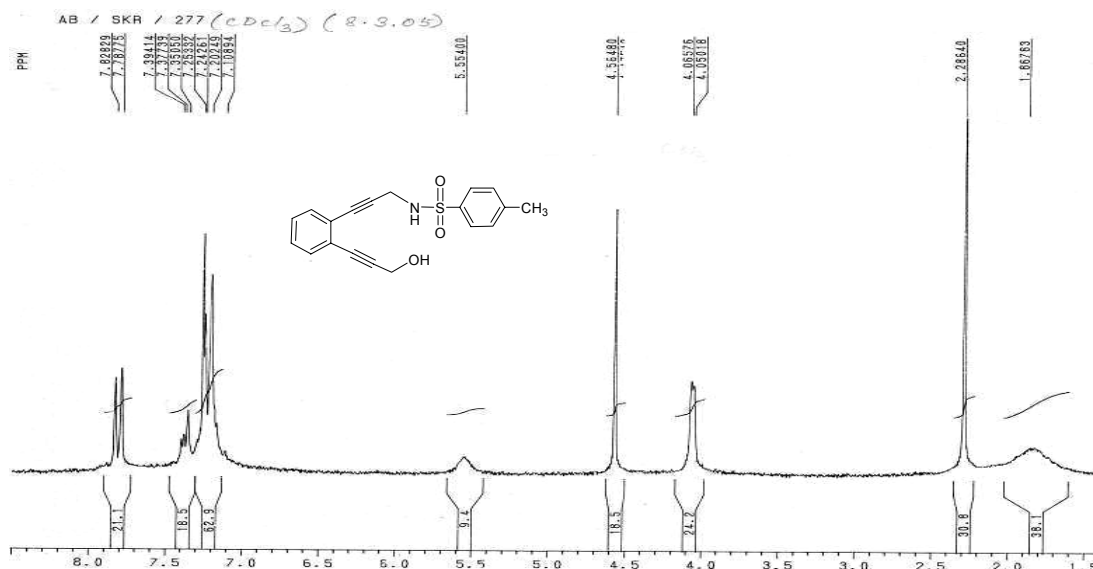


Figure S1: ¹H NMR spectrum of compound 7 in CDCl₃ (200 MHz)

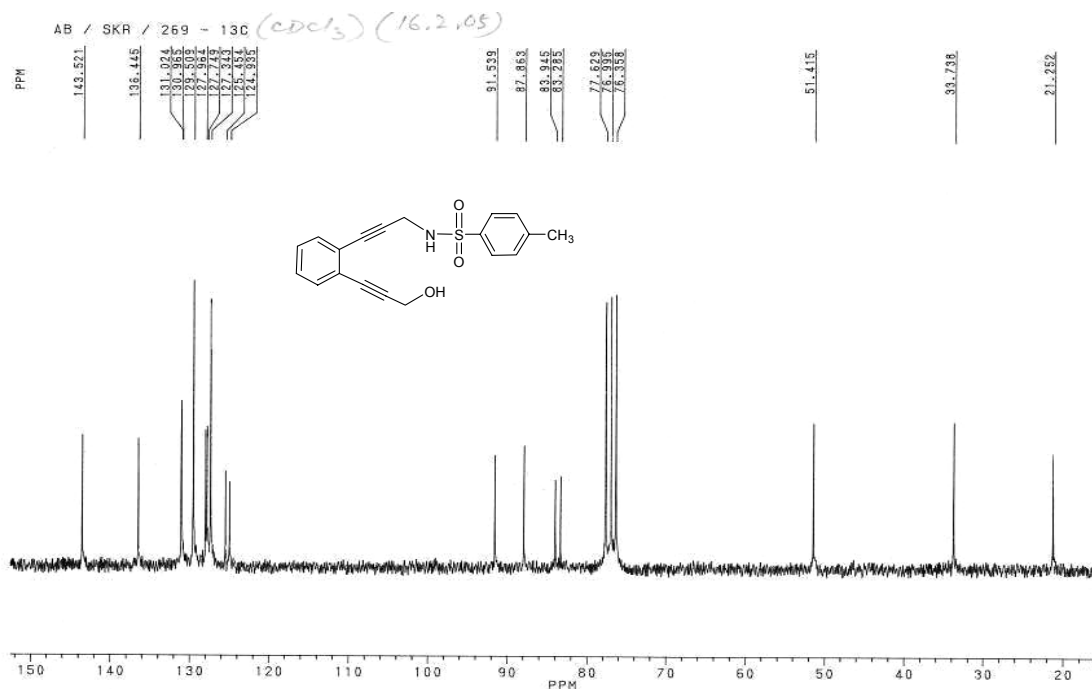


Figure S2: ¹³C NMR spectrum of compound 7 in CDCl₃ (50 MHz)

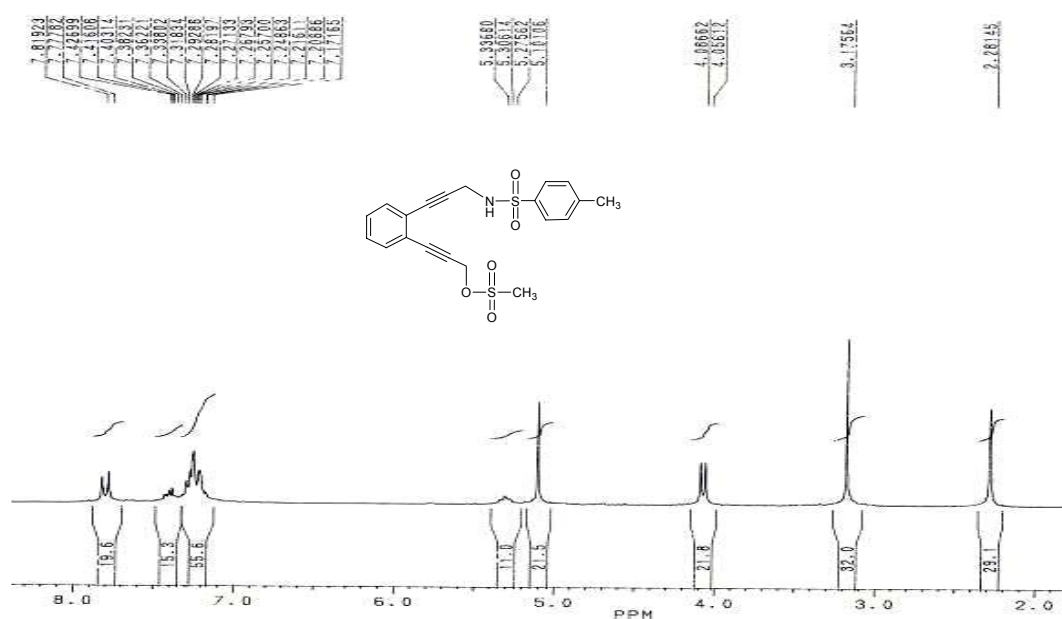
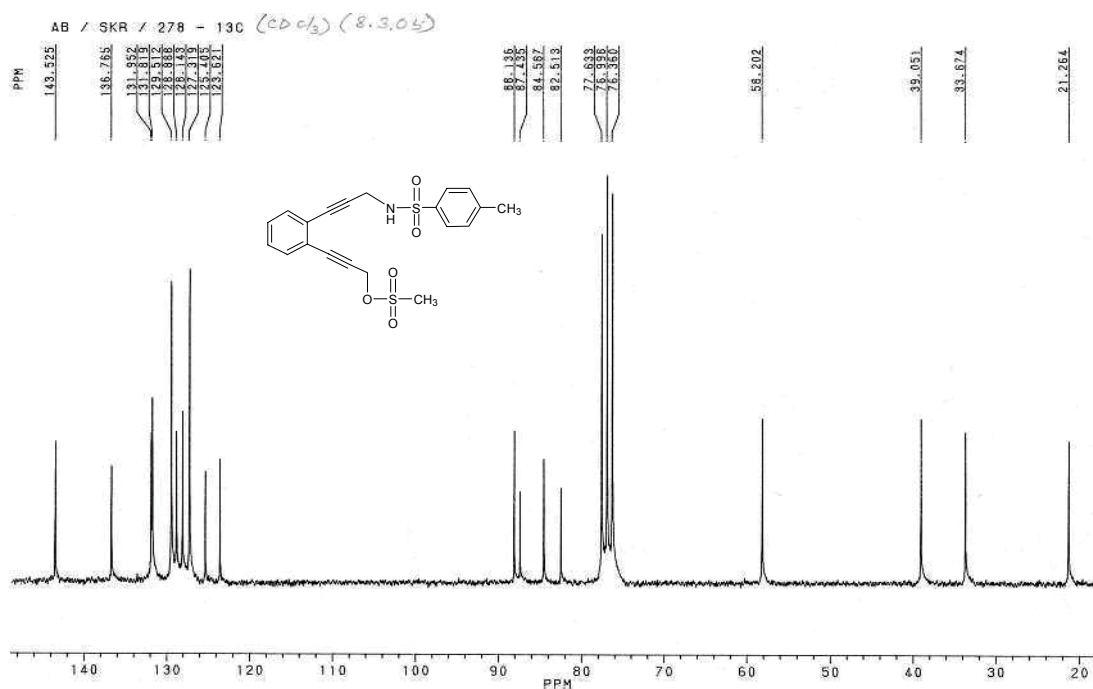


Figure S3: ¹H NMR spectrum of compound **8** in CDCl₃ (200 MHz)



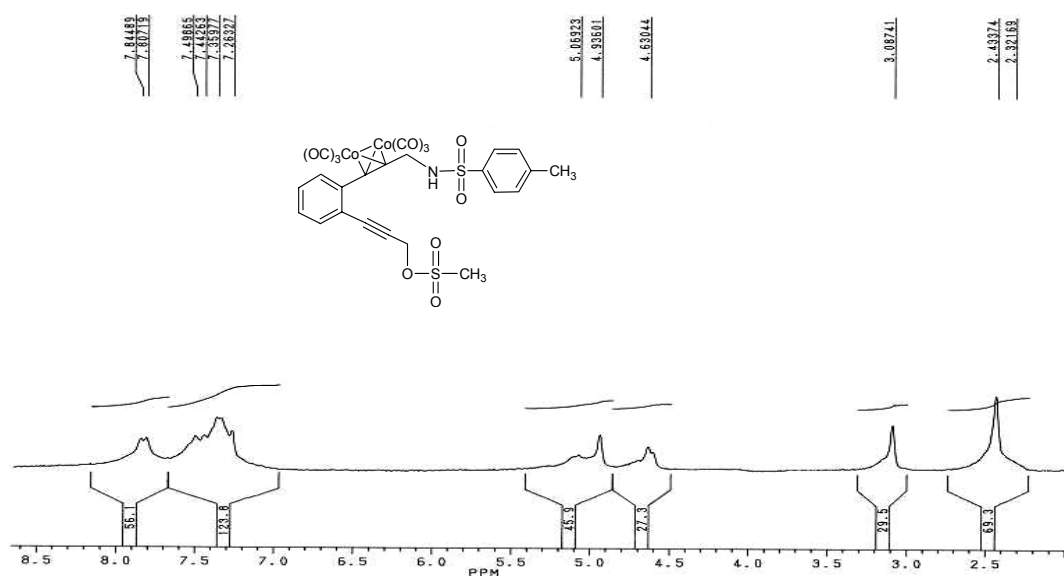


Figure S5: ^1H NMR spectrum of compound **12** in CDCl_3 (200 MHz)

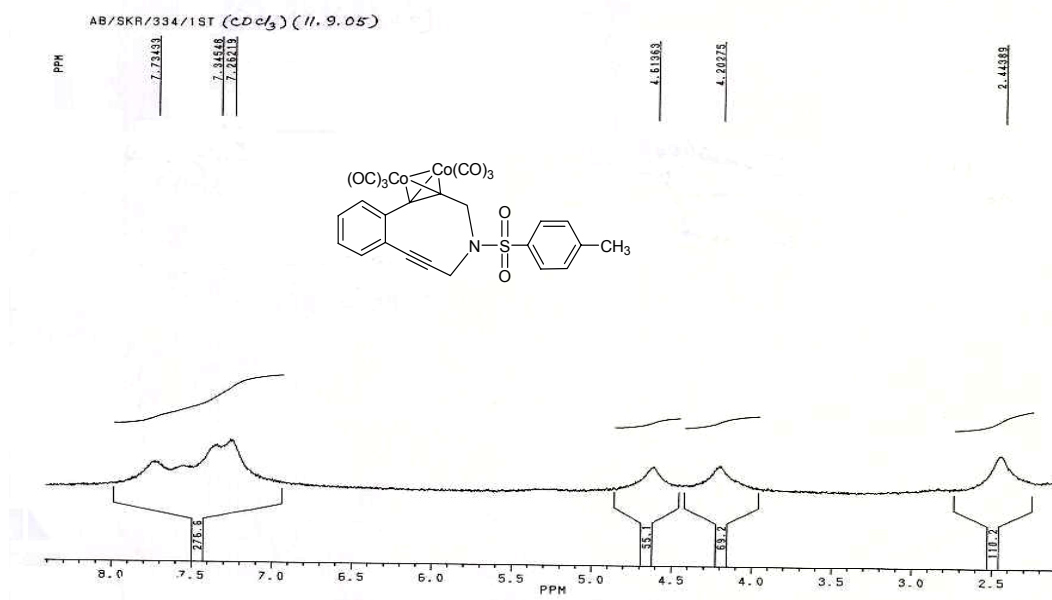
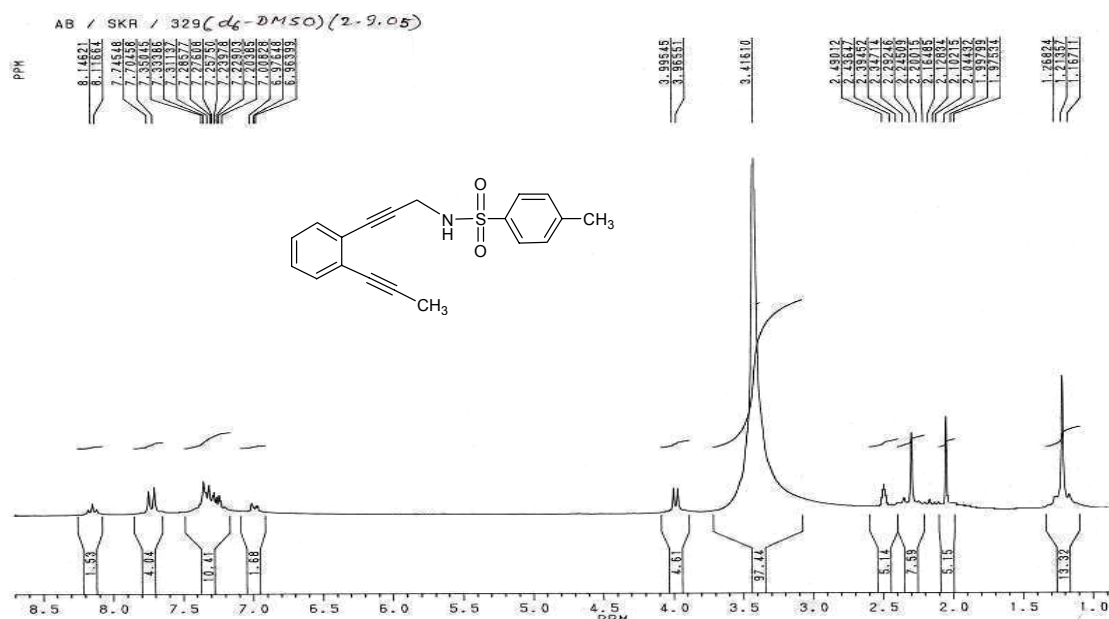


Figure S6: ^1H NMR spectrum of compound **14** in CDCl_3 (200 MHz)



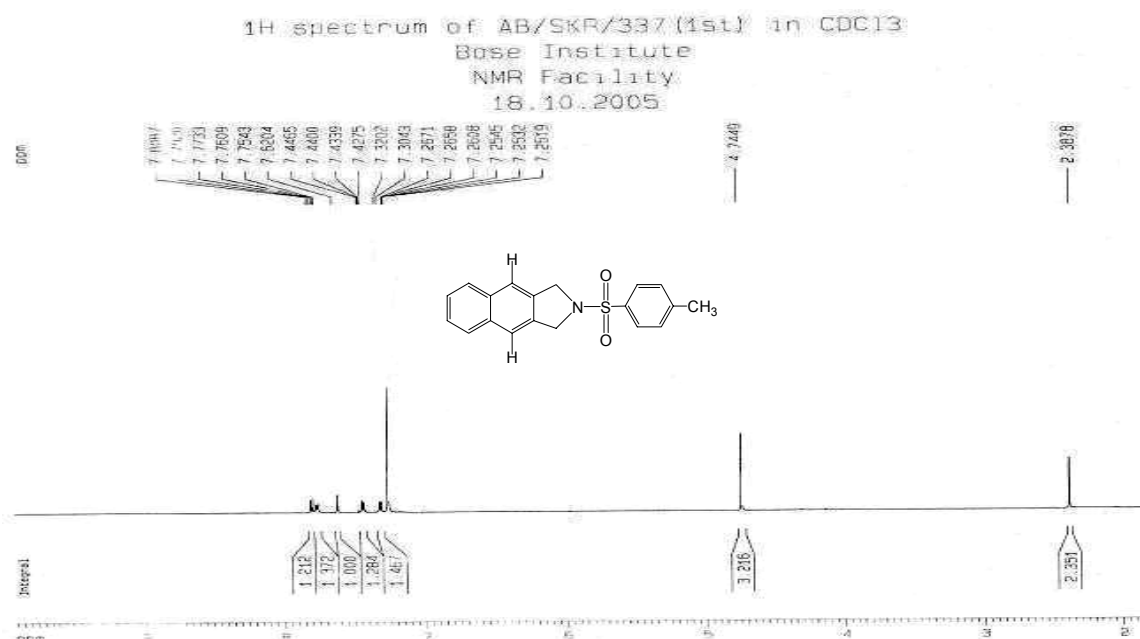


Figure S9: ¹H NMR spectrum of compound 17 in CDCl₃ (500 MHz)

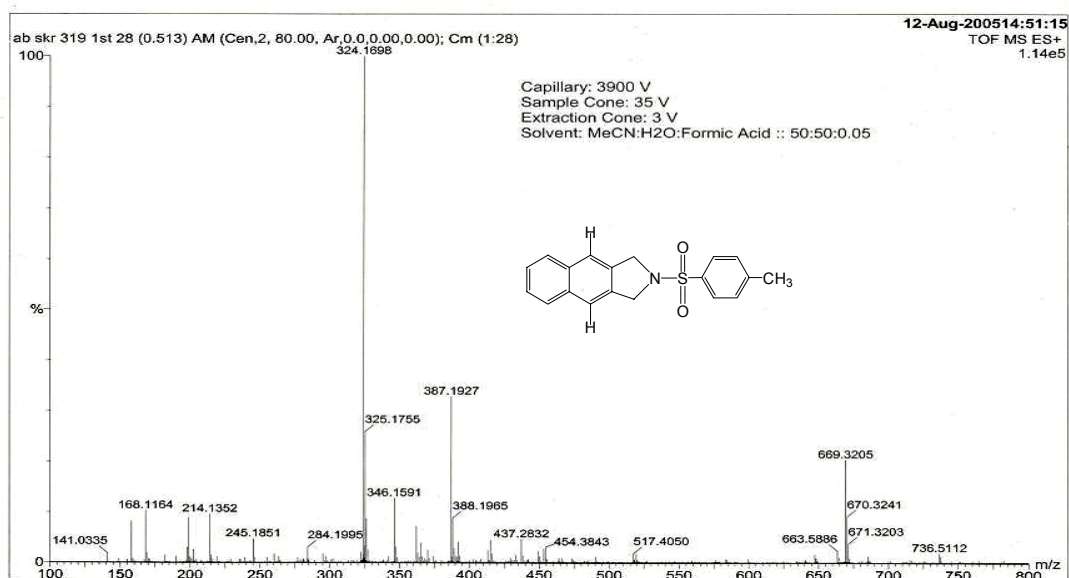


Figure S10: Mass spectrum (ES⁺) of compound 17

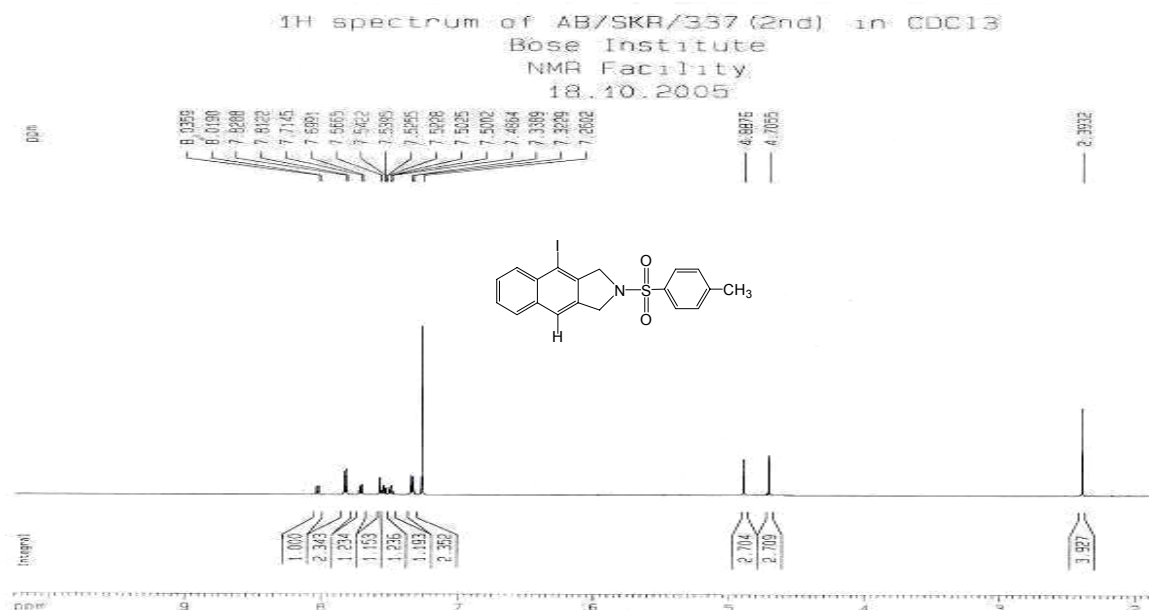


Figure S11: ¹H NMR spectrum of compound **18** in CDCl₃ (500 MHz)

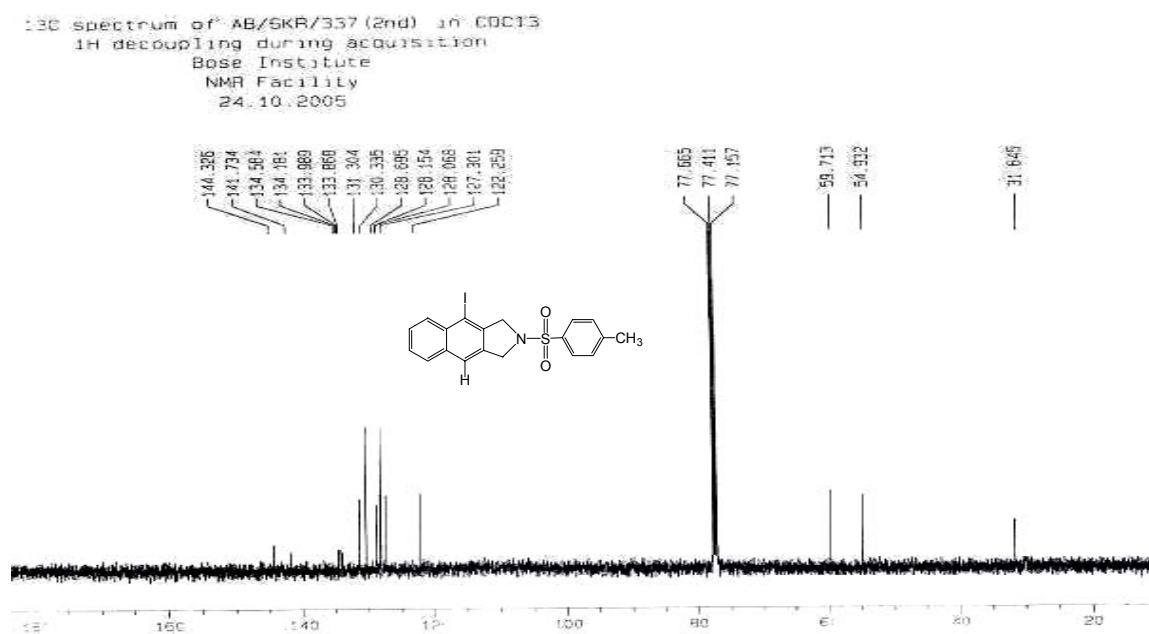


Figure S12: ¹³C NMR spectrum of compound **18** in CDCl₃ (125 MHz)

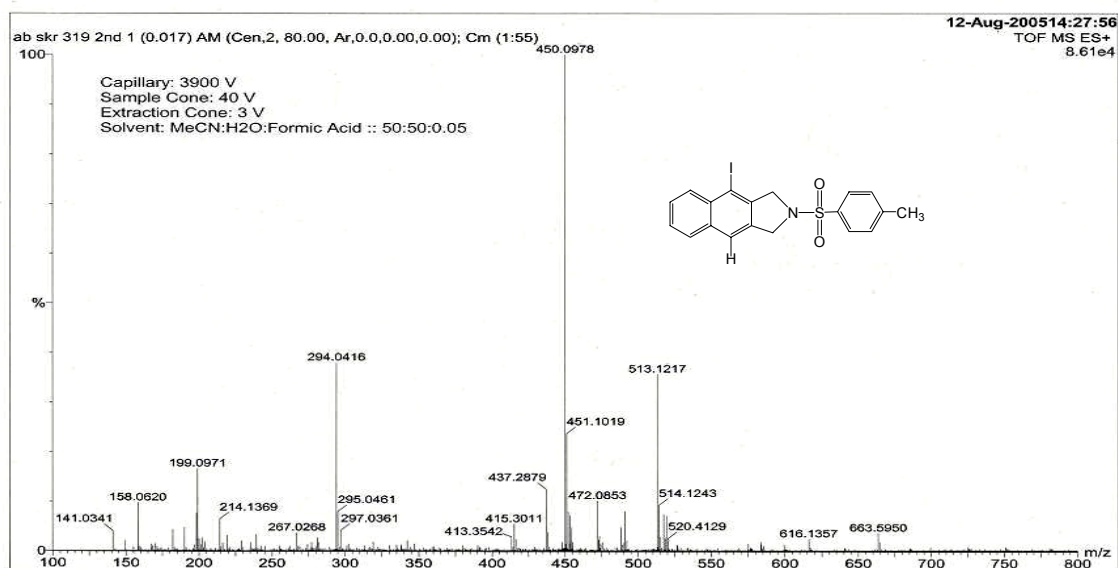


Figure S13: Mass spectrum (ES⁺) of compound 18

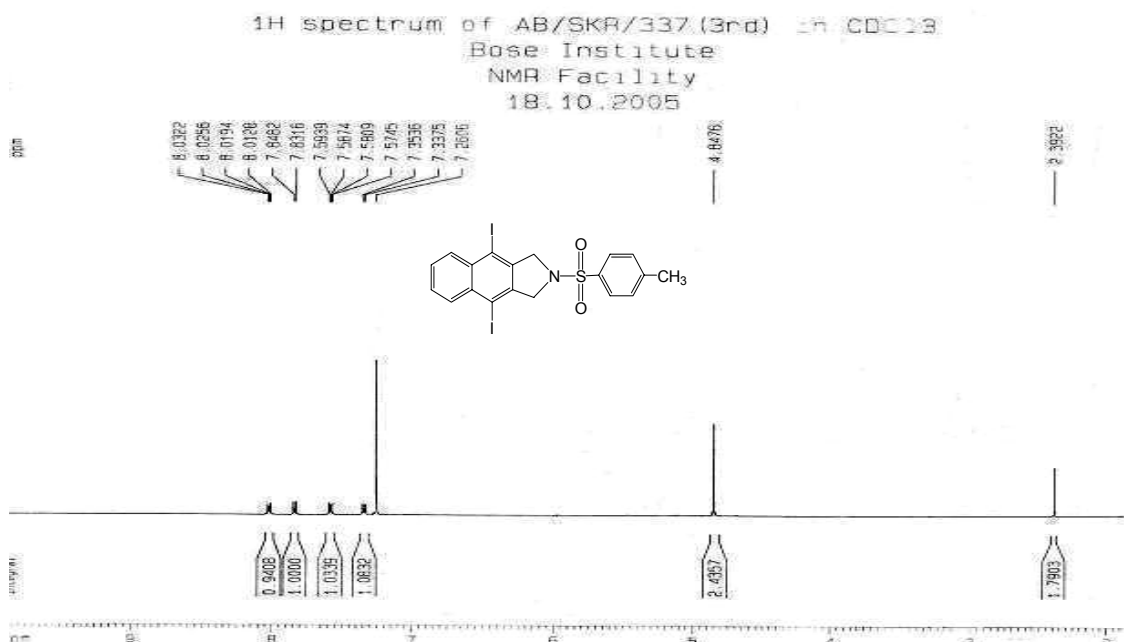


Figure S14: ¹H NMR spectrum of compound 19 in CDCl₃ (500 MHz)

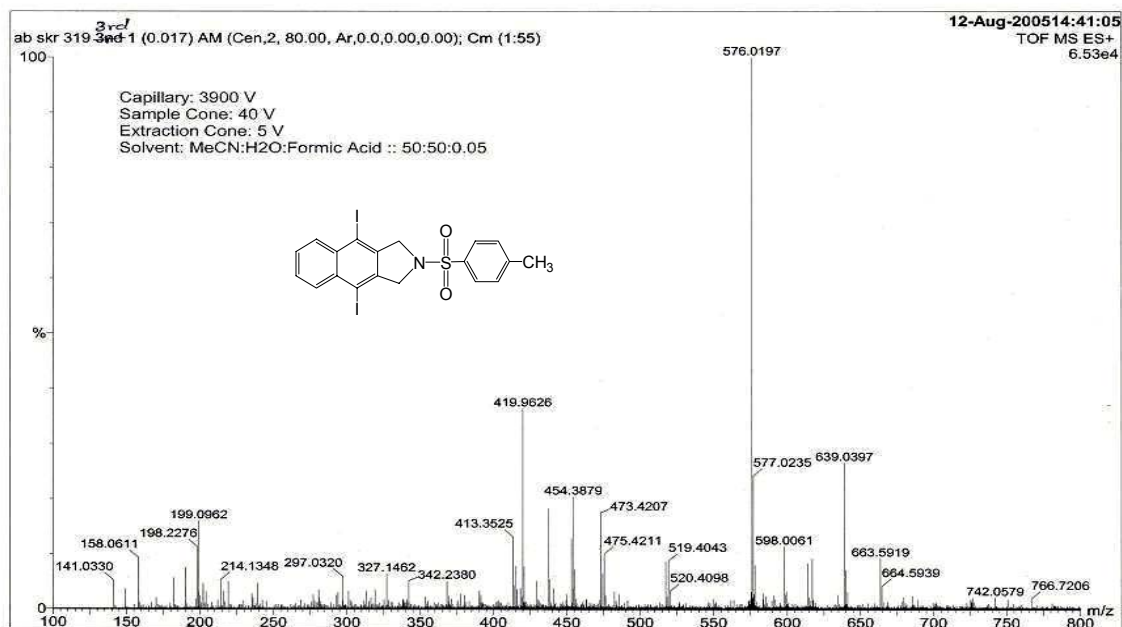


Figure S15: Mass spectrum (ES⁺) of compound **19**