

A new azo dye for colorimetric determination of lead (II) ions

Sefiu Olalekan Olaleye^{ab*}, Uzma Bibi^b

- a. Department of Pharmaceutical Chemistry, Faculty of Pharmacy, University of Ibadan, Orita UI, Ibadan, 200284, Nigeria
- b. Department of Pharmaceutical and Medicinal Chemistry, Faculty of Pharmacy, Federal University Oye-Ekiti, Ekiti, Nigeria
- c. Third World Center for Science and Technology, H. E. J. Research Institute of Chemistry, International Center for Chemical and Biological Sciences, University of Karachi, Karachi, 75270, Pakistan

***Corresponding author:** solaleye5@gmail.com (Sefiu Olalekan Olaleye)

SUPPLEMENTARY INFORMATION

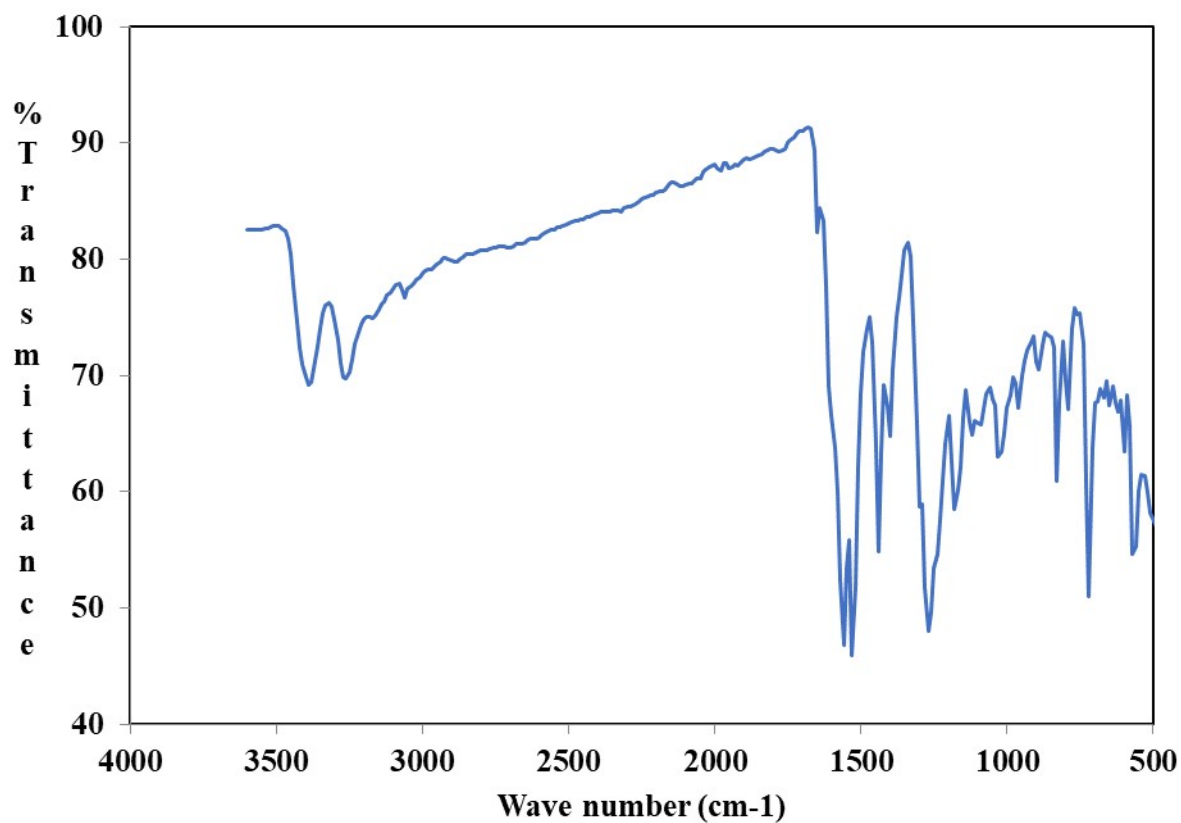


Fig. S1 FTIR of 1,4-diaminoanthraquinone

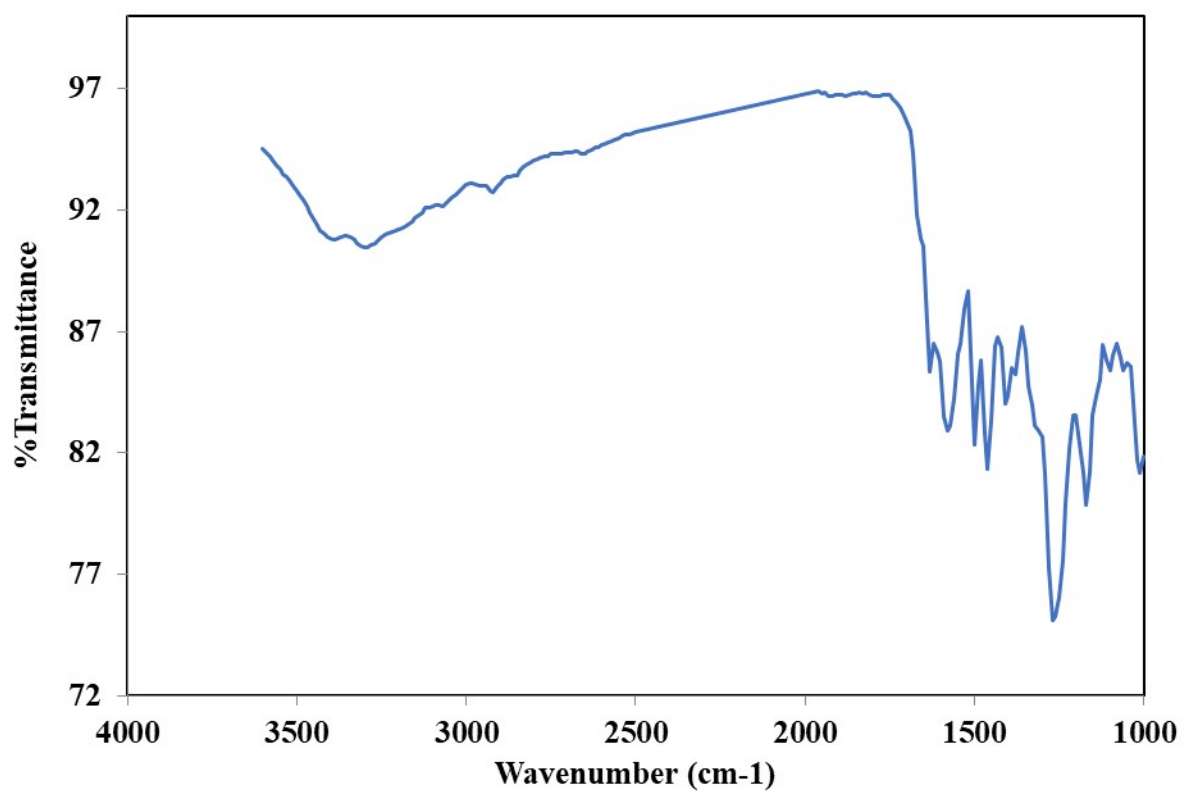


Fig. S2 FTIR of **S9b** (1-amino-4-[(E)-2-(8-hydroxyquinolin-5-yl)diazene-1-yl]-9,10-dihydroanthracene-9,10-dione)

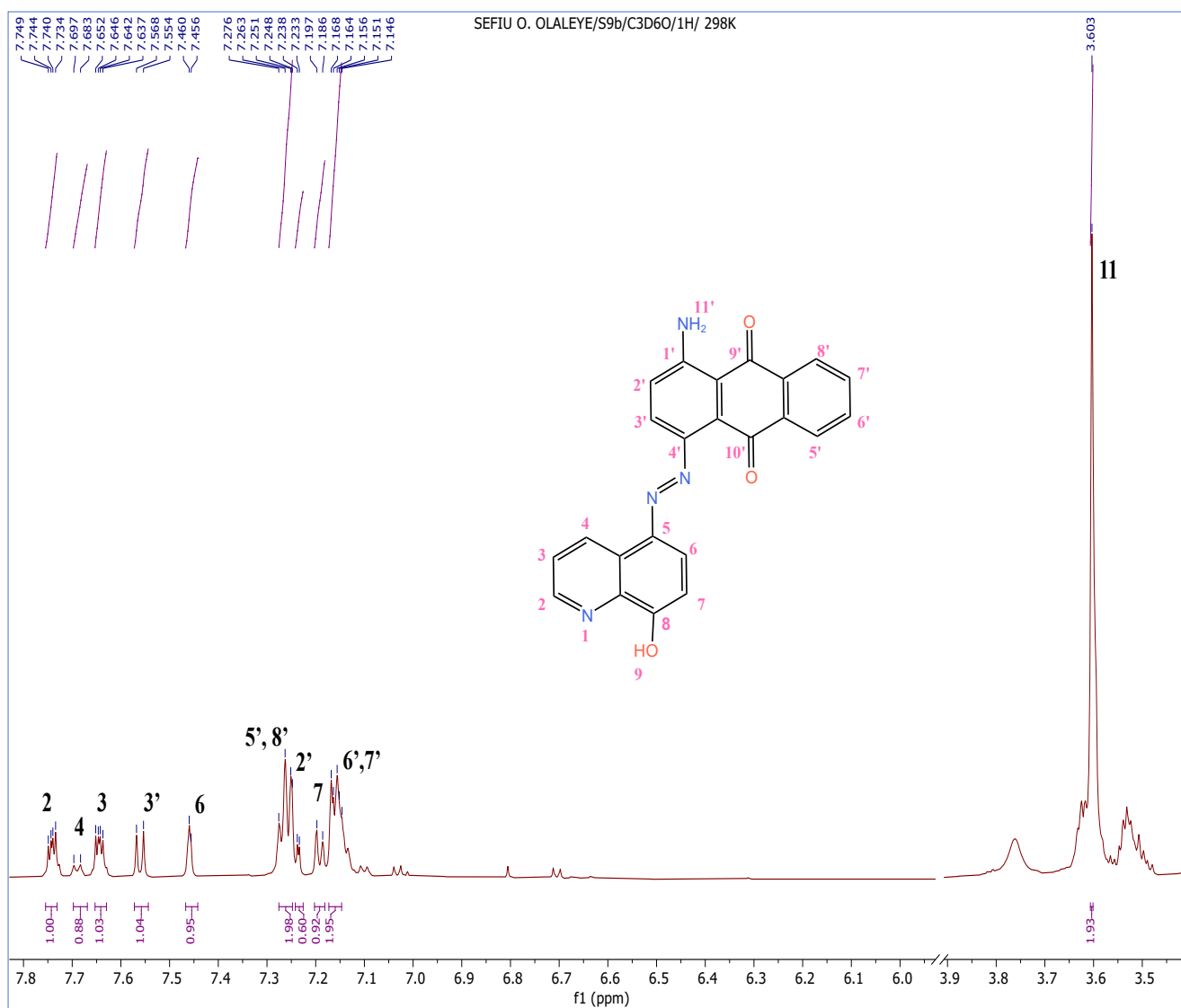


Fig. S3 ^1H NMR of **S9b** recorded in acetone- d_6

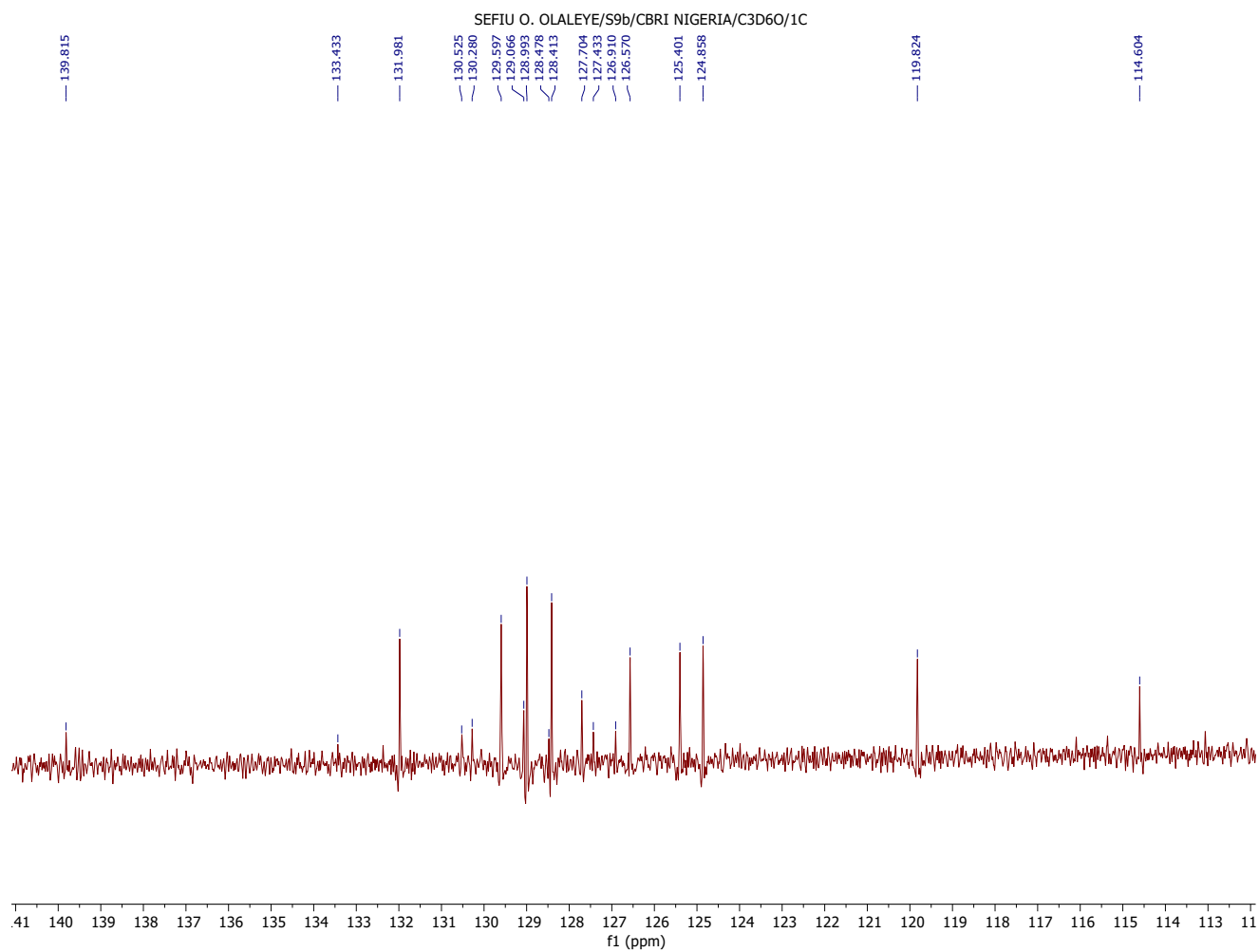


Fig. S4 ^{13}C NMR of **S9b** recorded in acetone- d_6

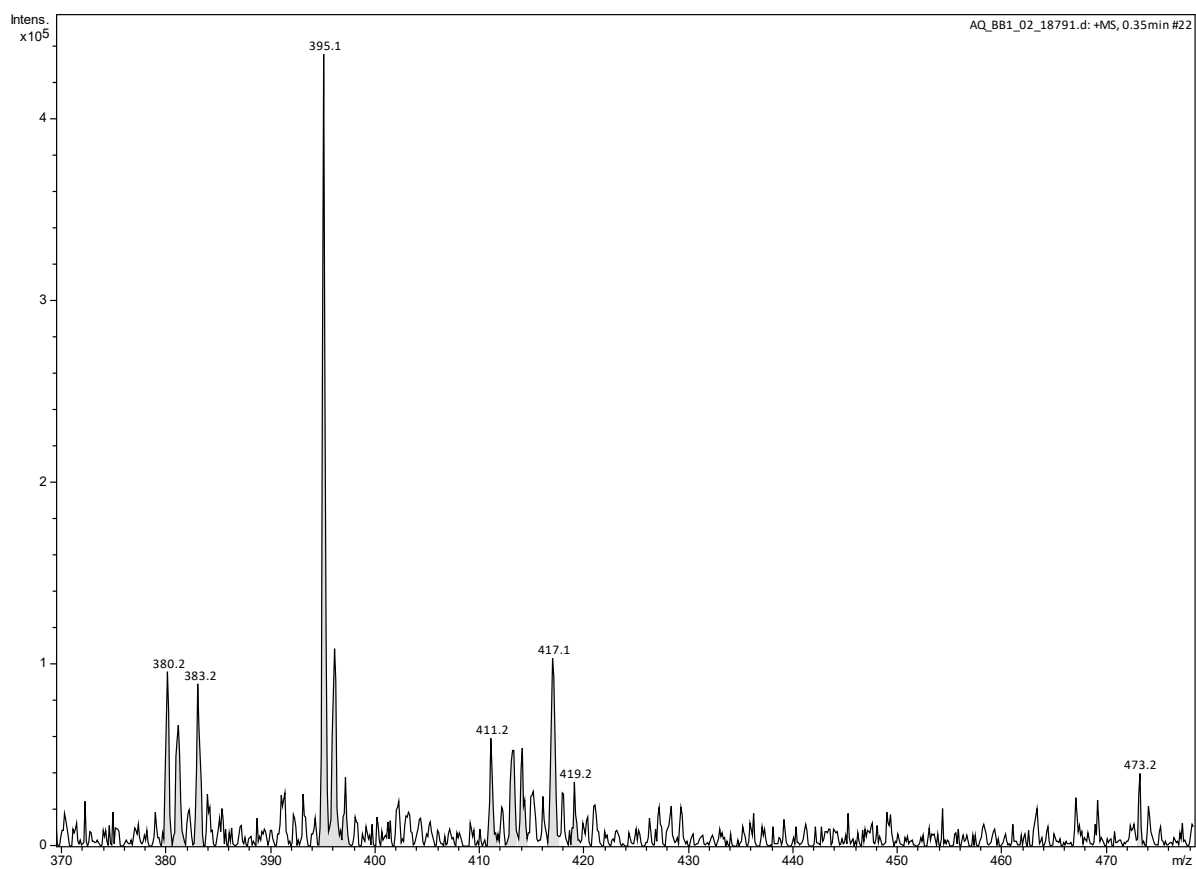


Fig. S5 ESI-MS of S9b

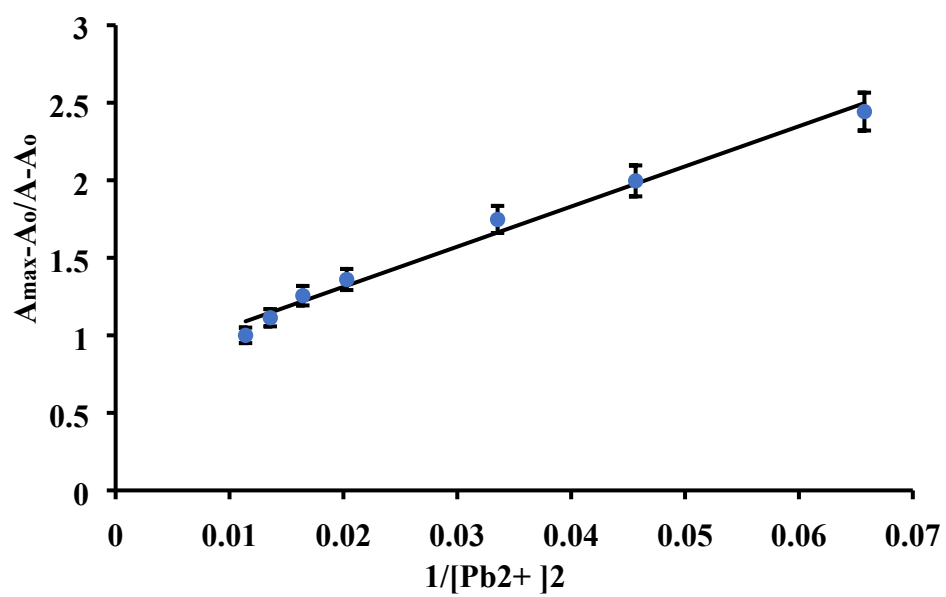


Fig. S6 Benesi-Hildebrand's plot