

Access to Novel Imidazo[1,5-*a*]pyrazine Scaffolds by the Combined Use of a Three-Component Reaction and a Base-Assisted Intramolecular Cyclization

Orazio A. Attanasi,[‡] Gianfranco Favi,^{*‡} Gianluca Giorgi,[†] Roberta Majer,[‡] Francesca Romana Perrulli^{*‡} and Stefania Santeusano[‡]

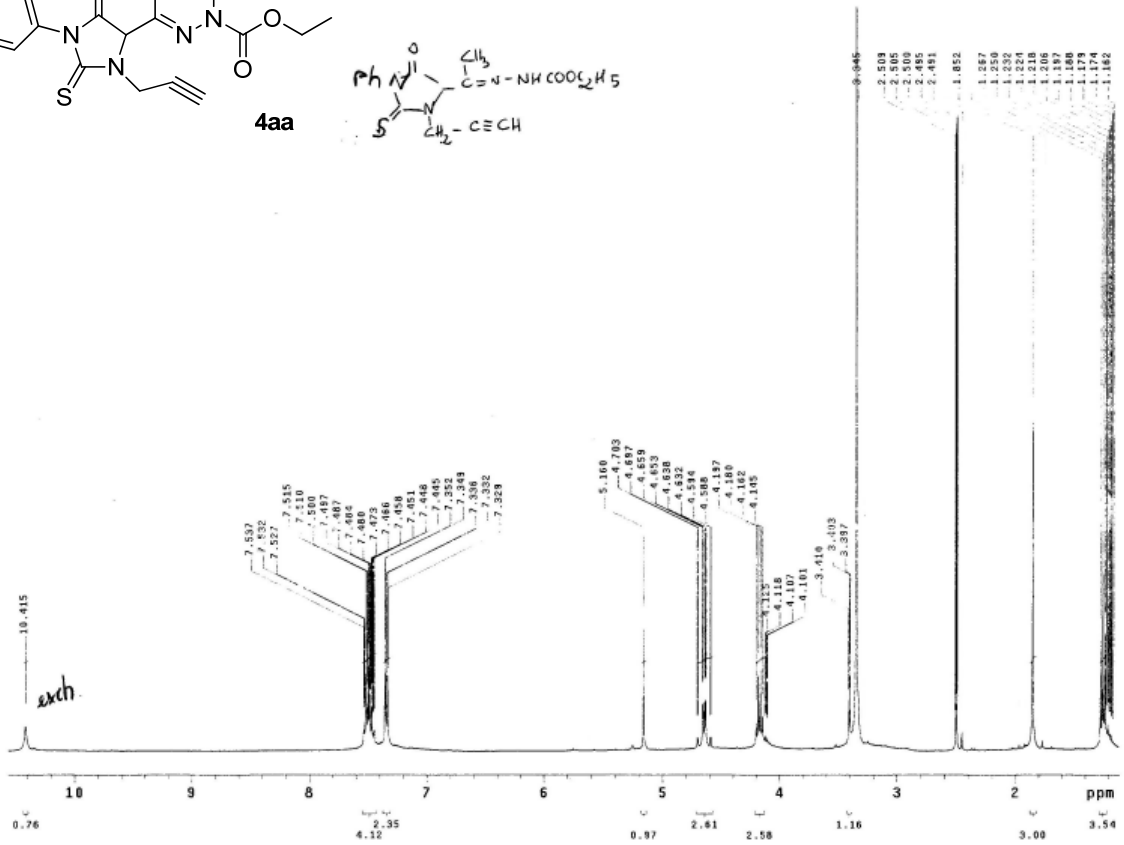
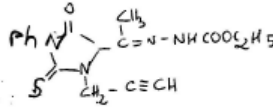
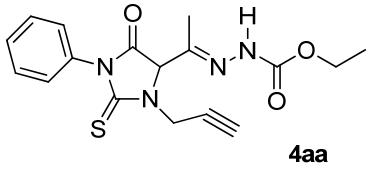
[‡]*Dipartimento di Scienze Biomolecolari, Sezione COSON, Università degli Studi di Urbino “Carlo Bo”, Via I Maggetti 24, 61029 Urbino, Italy and* [†]*Dipartimento di Chimica, Università degli Studi di Siena, Via Aldo Moro, 53100 Siena, Italy*

e-mail: gianfranco.favi@uniurb.it

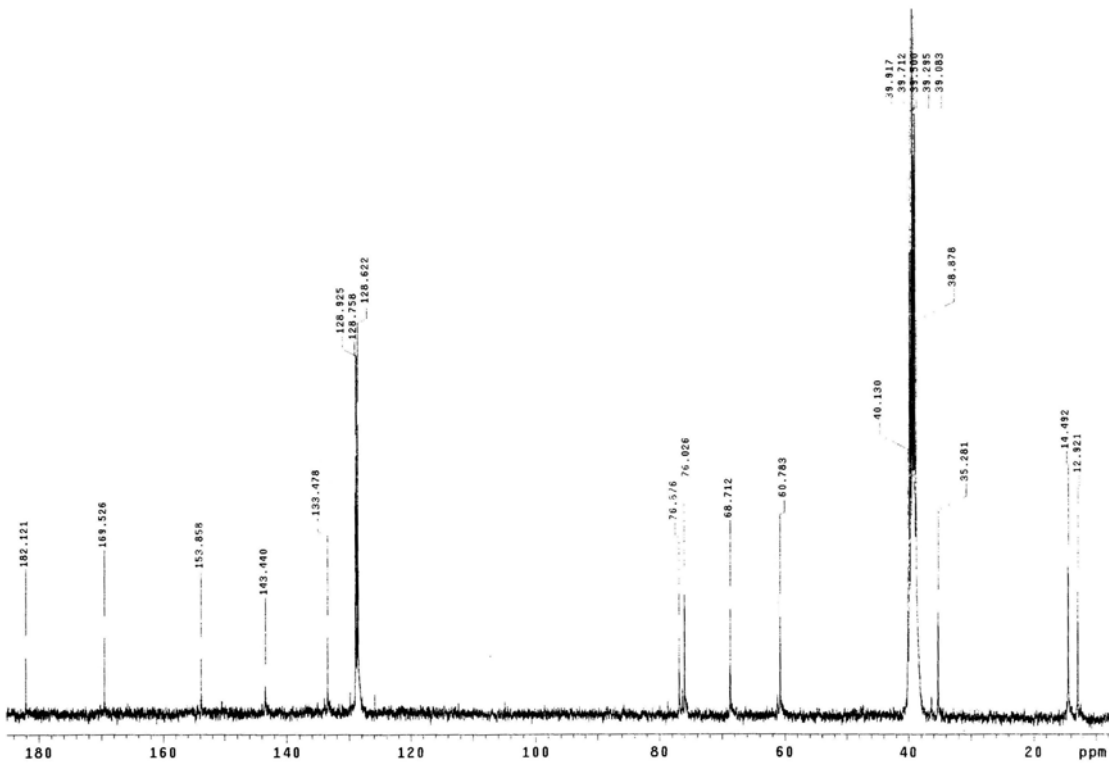
SUPPORTING INFORMATION

1. Copies of ¹H and ¹³C NMR spectra of products S2-S25

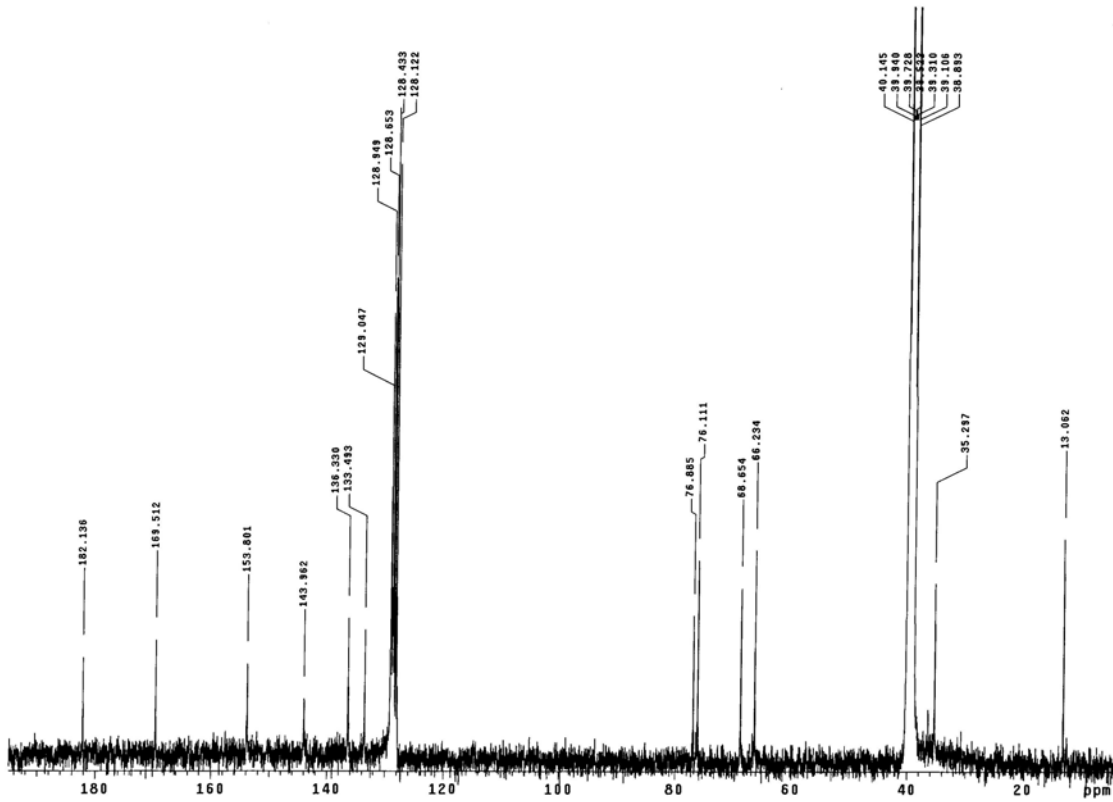
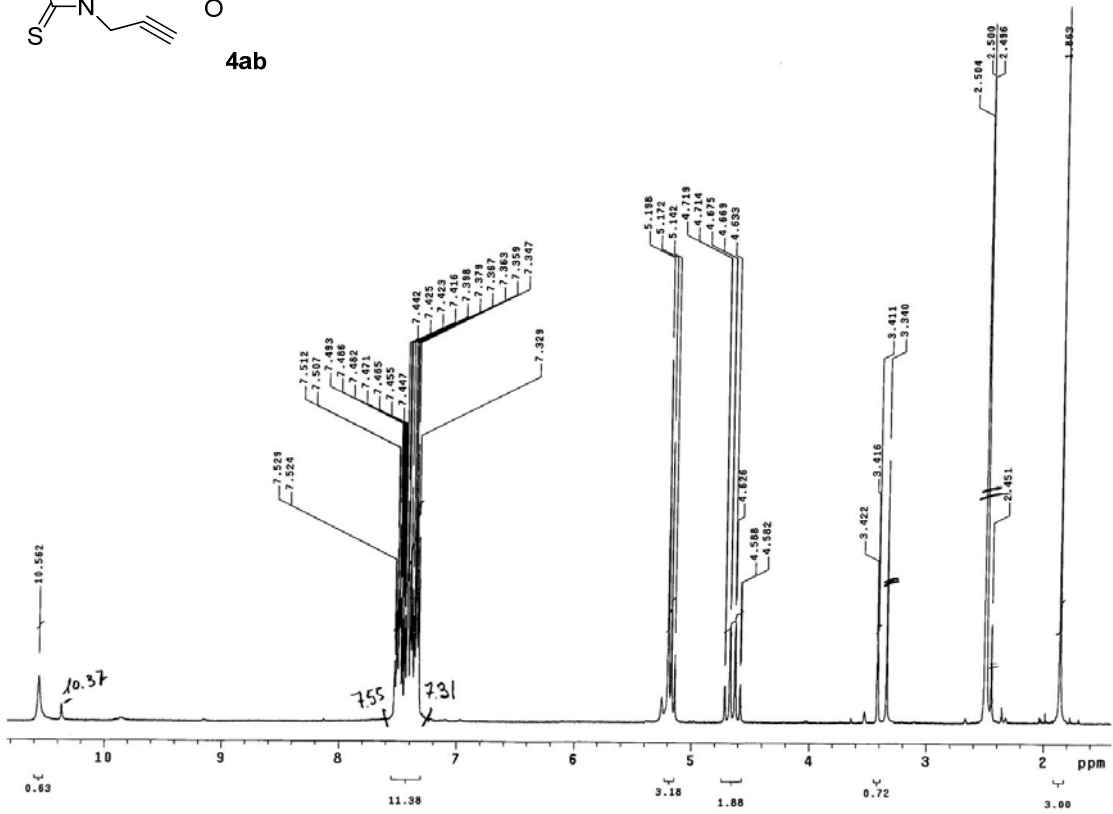
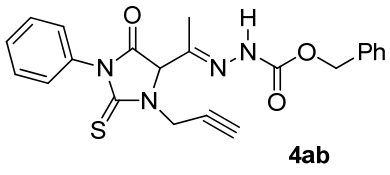
1. ^1H and ^{13}C NMR spectra of products.

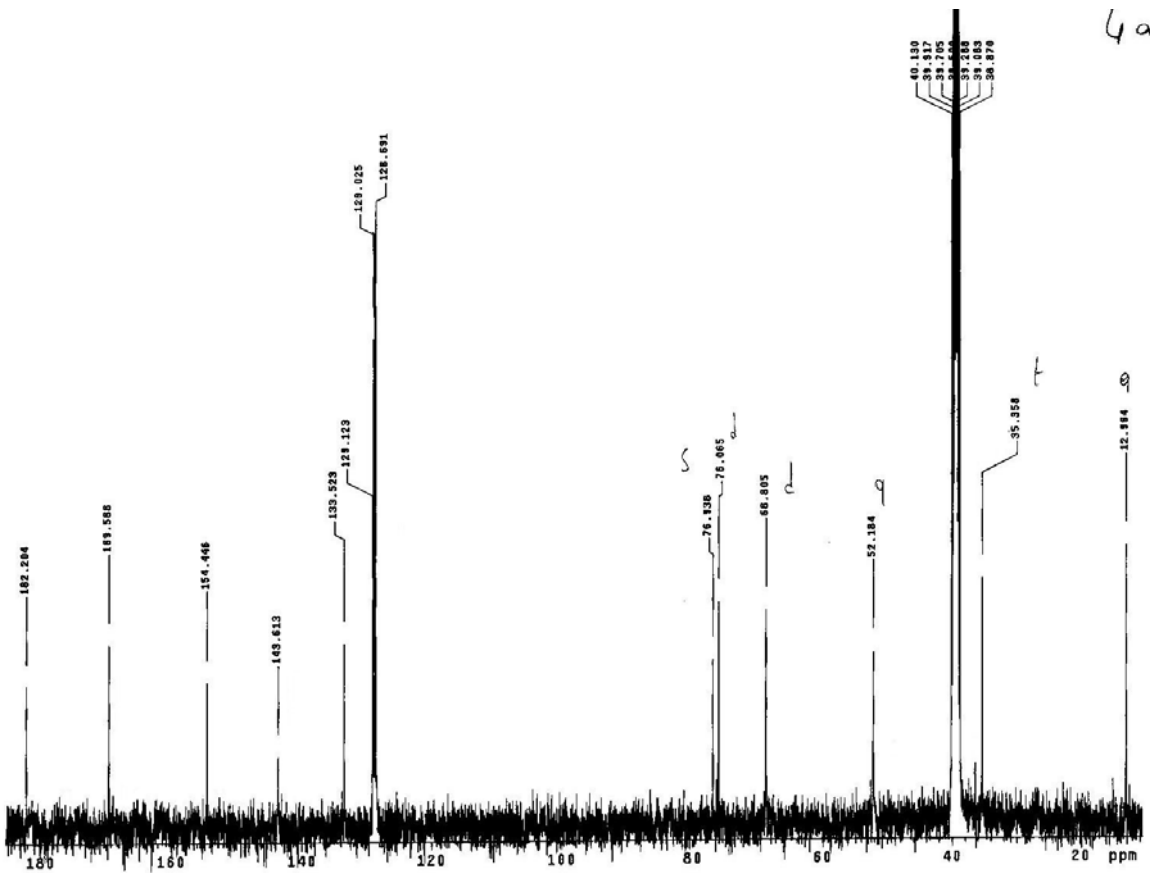
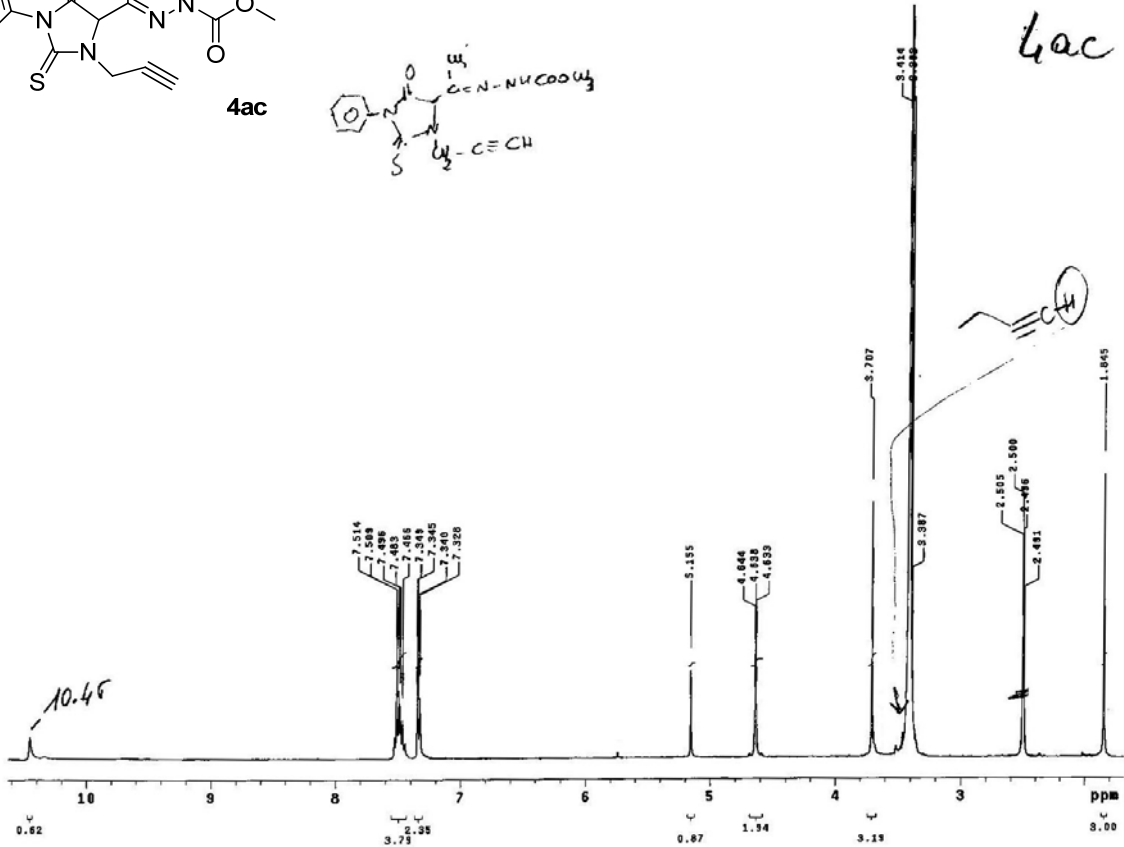
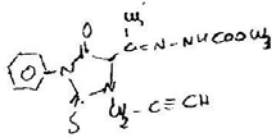
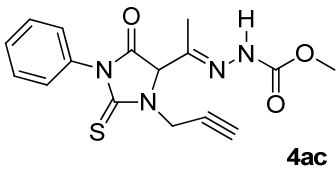


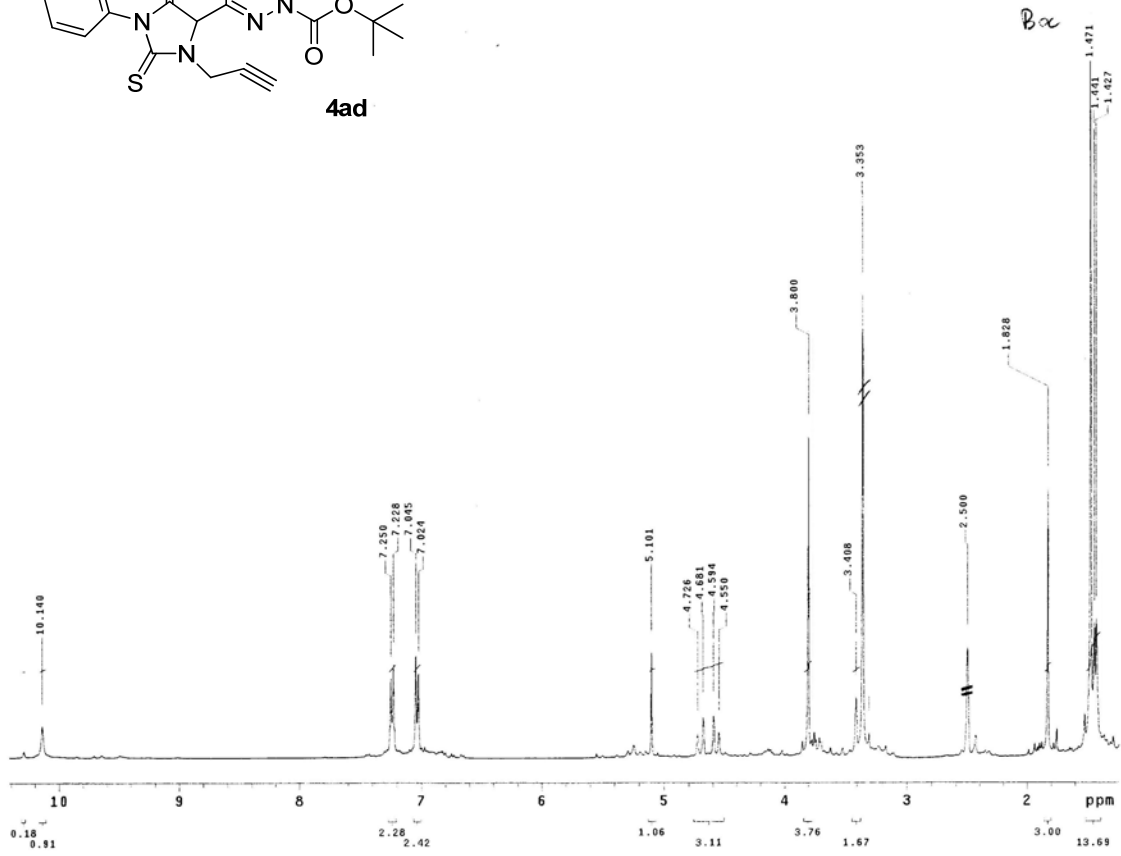
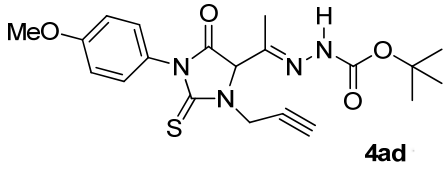
4aa



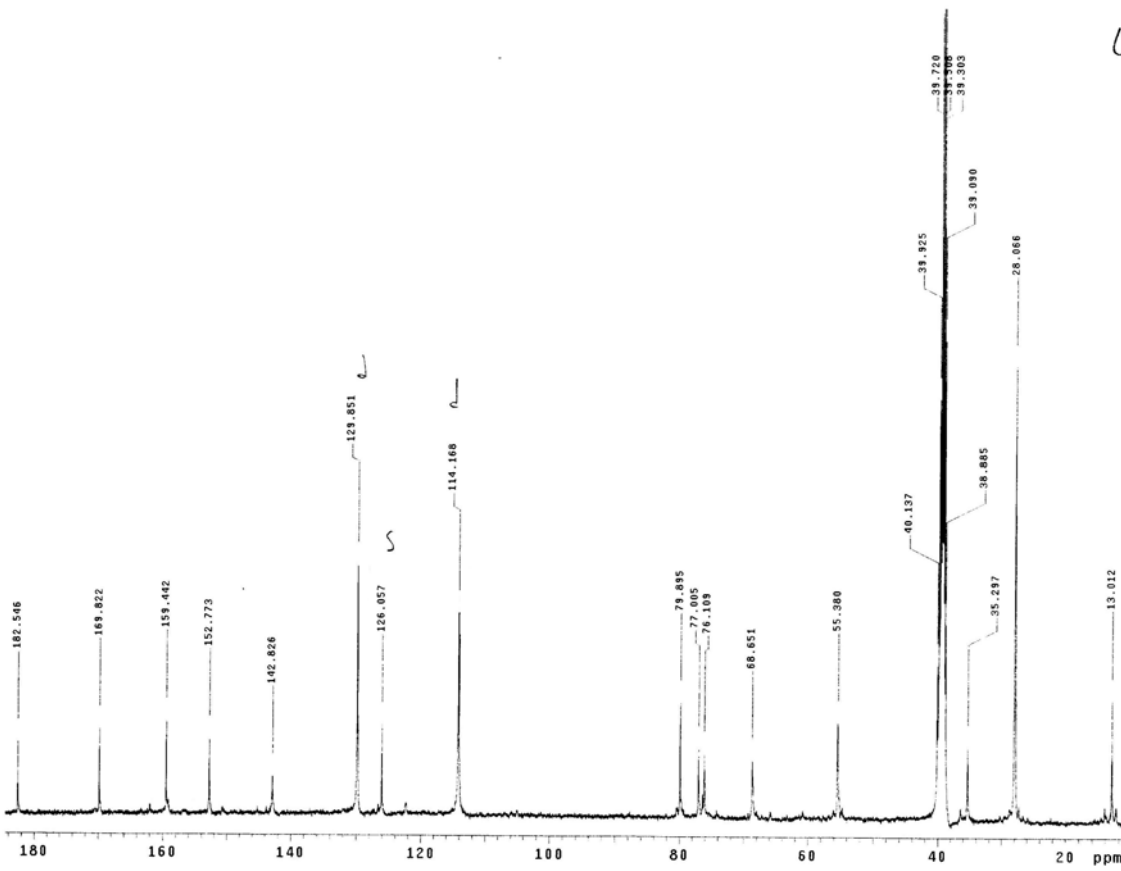
4aa



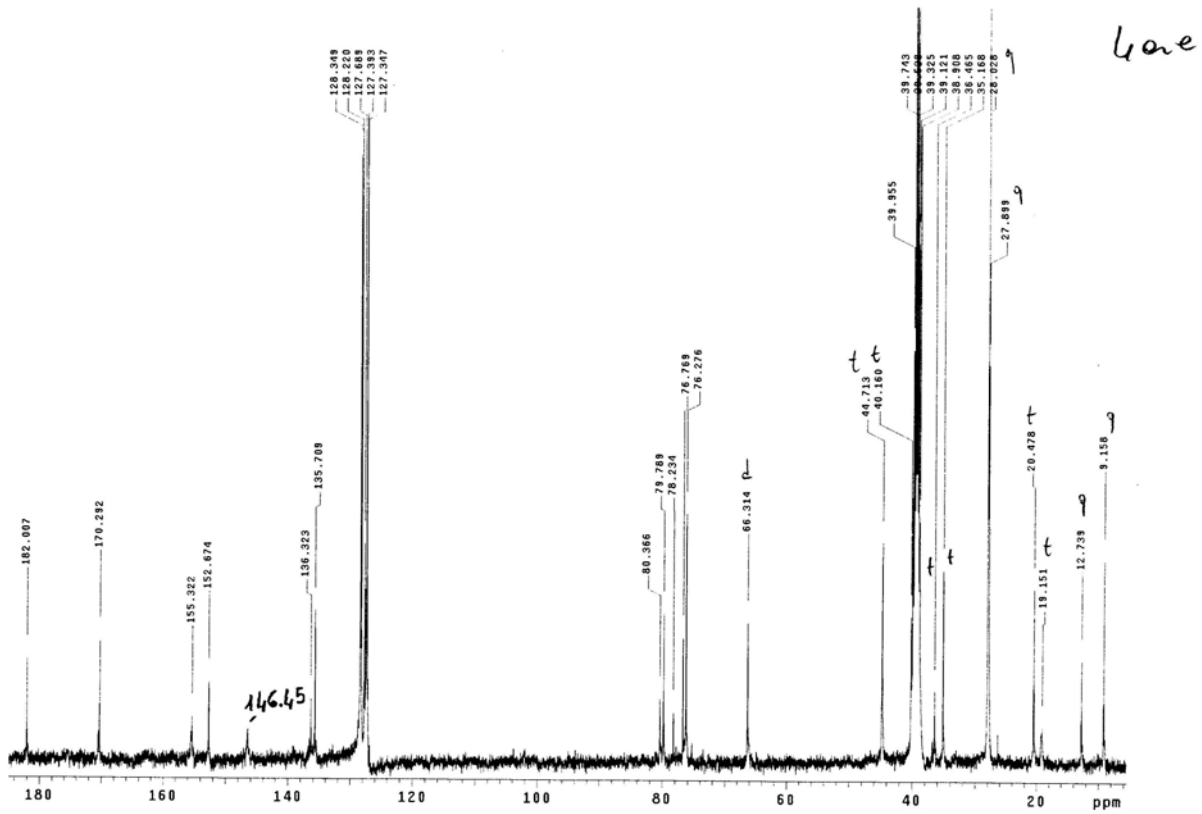
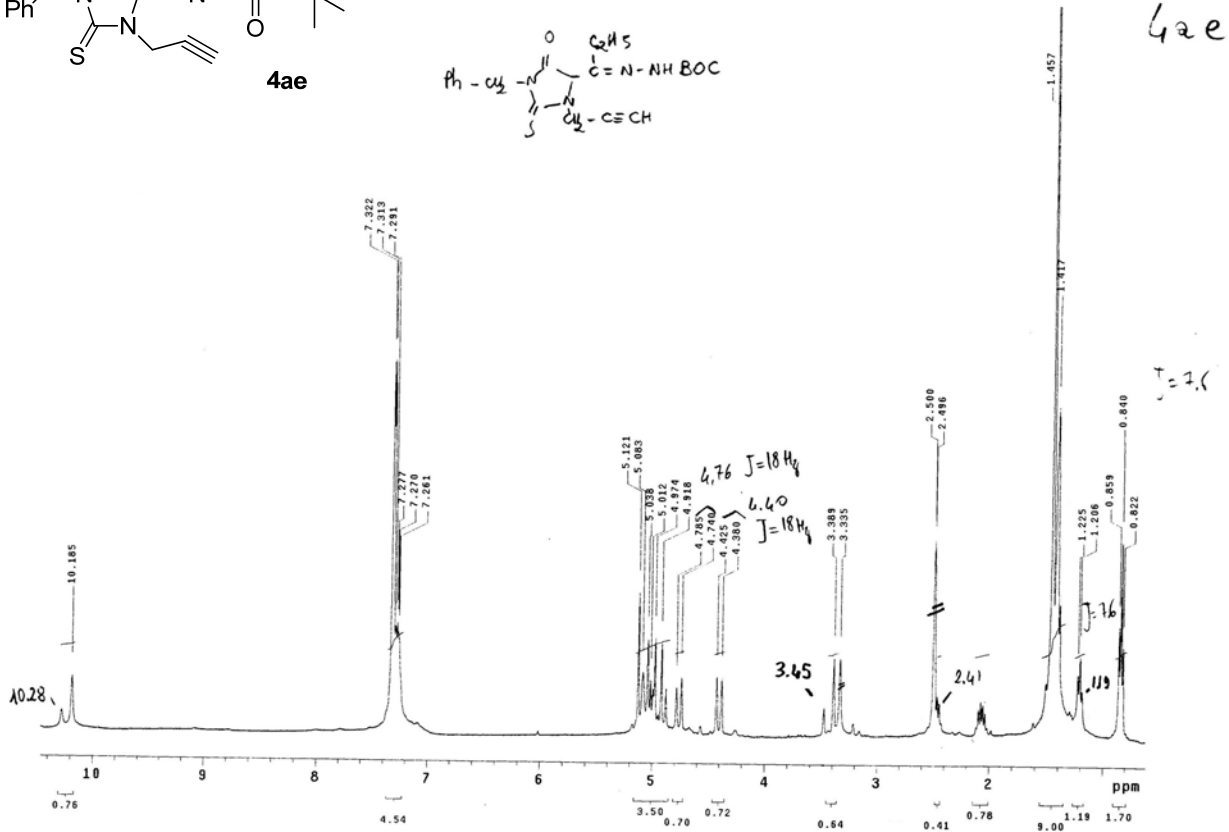
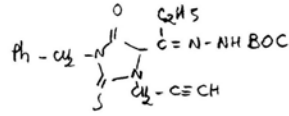
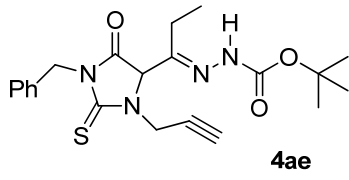


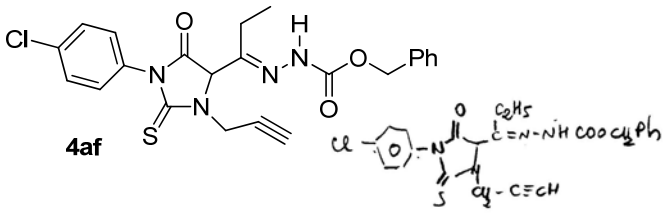


Ba 4ad

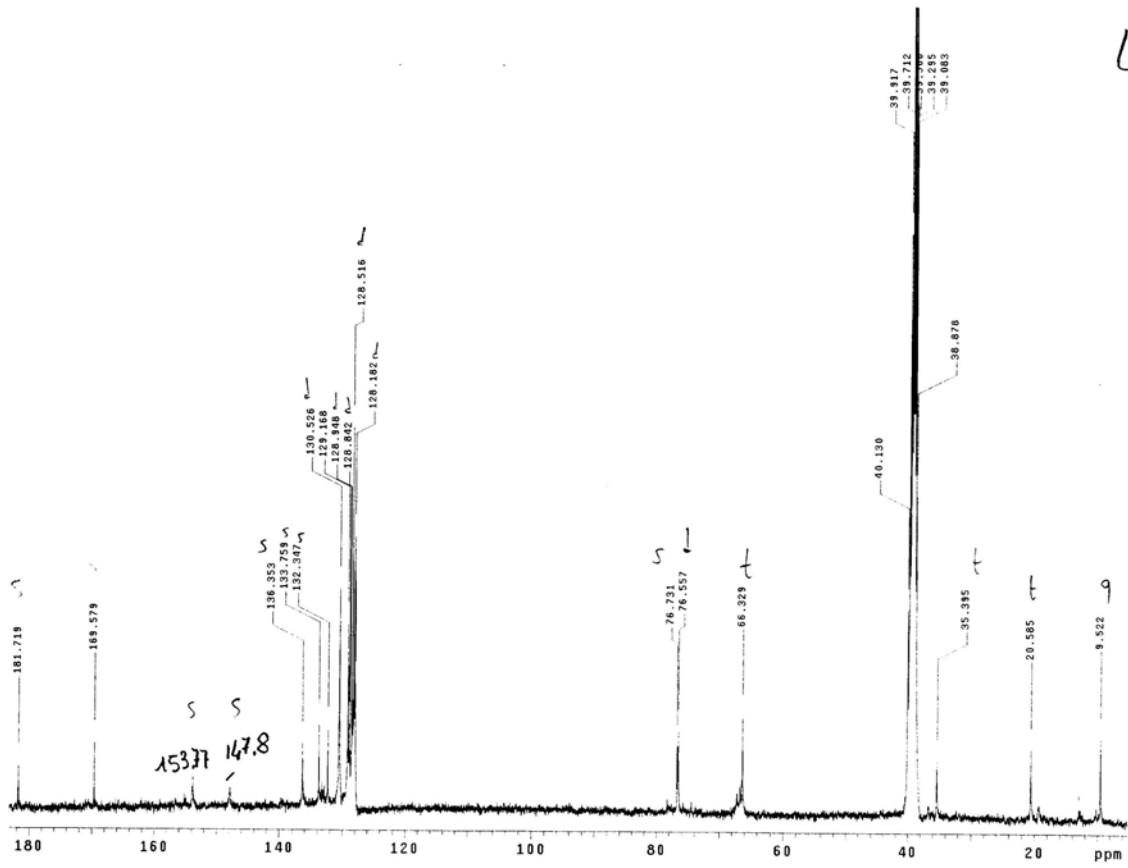
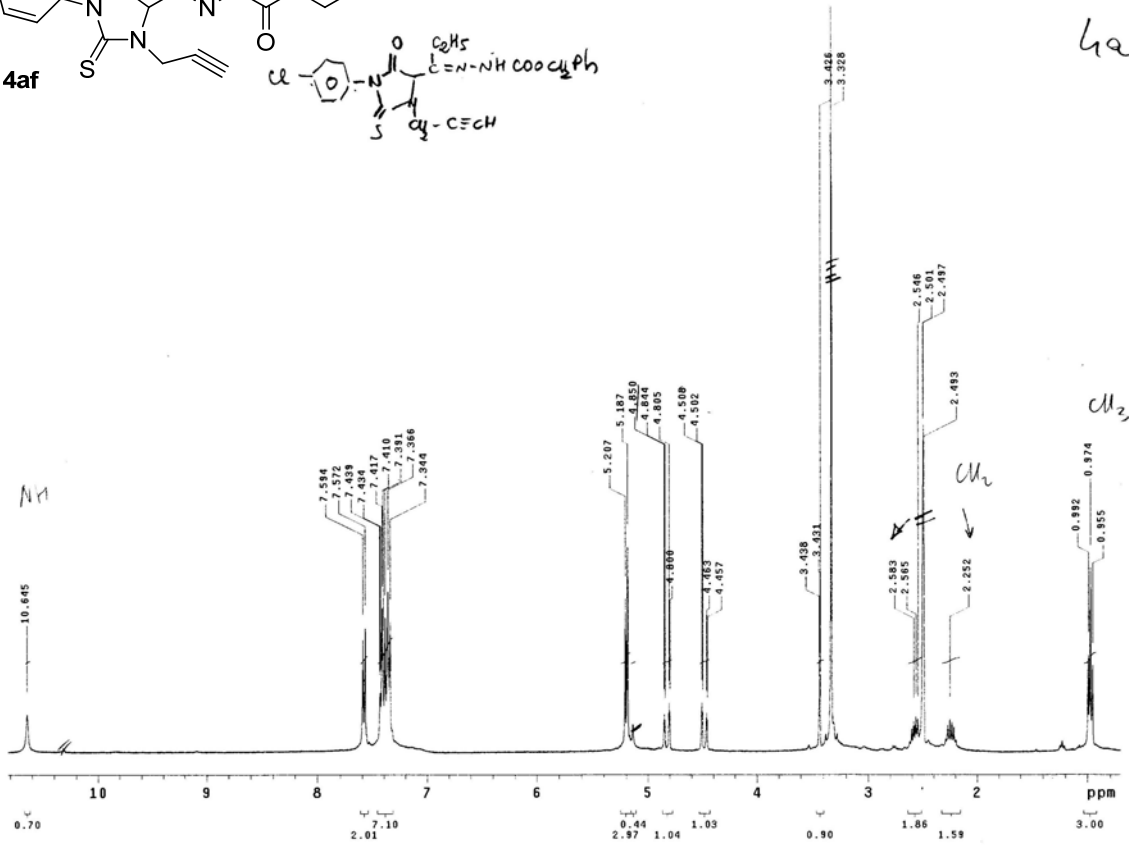


4ad

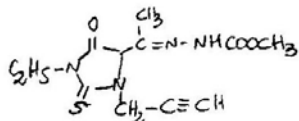
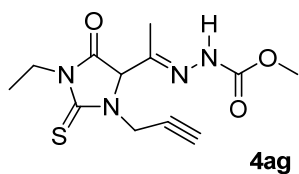




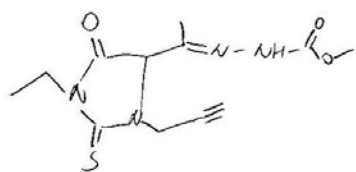
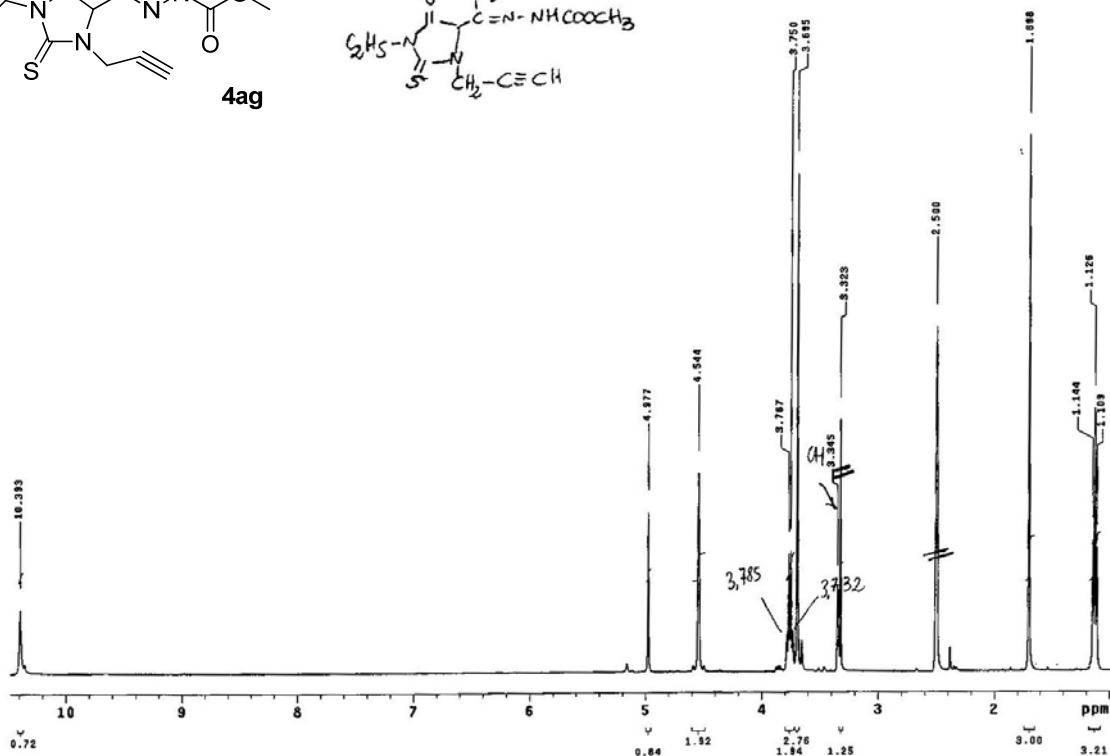
laf



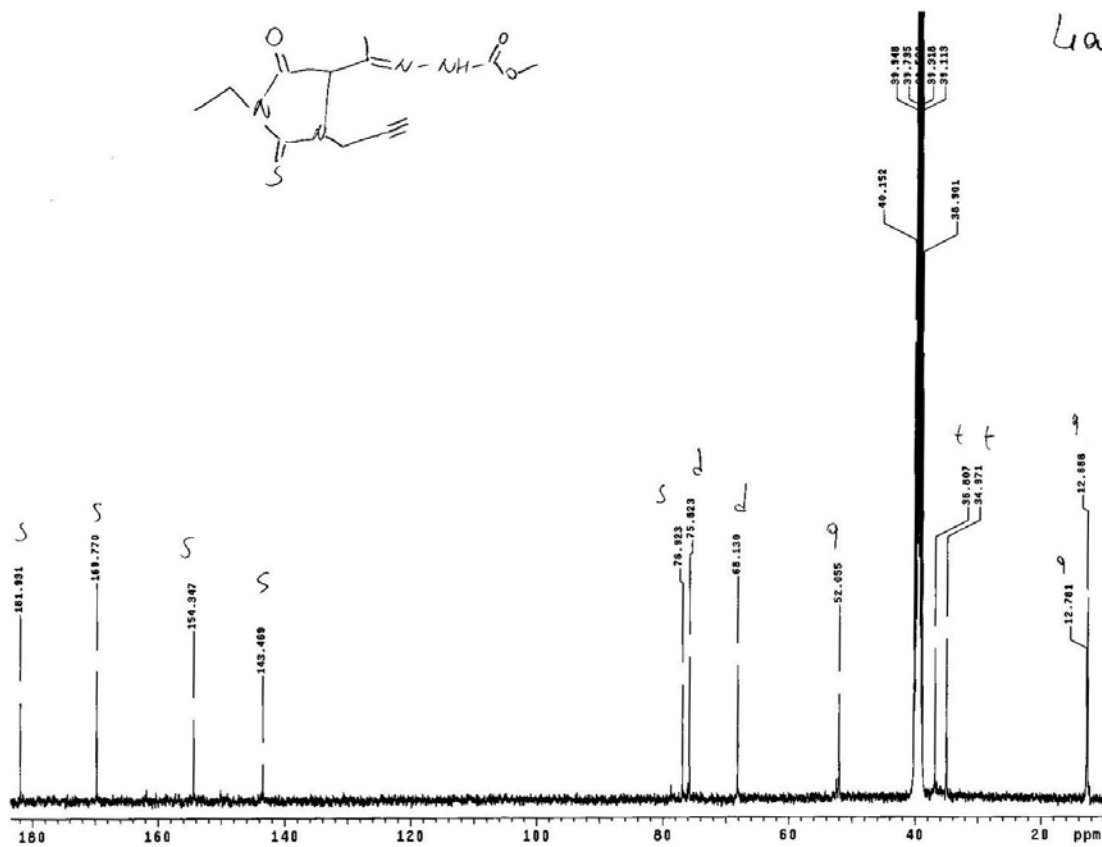
laf

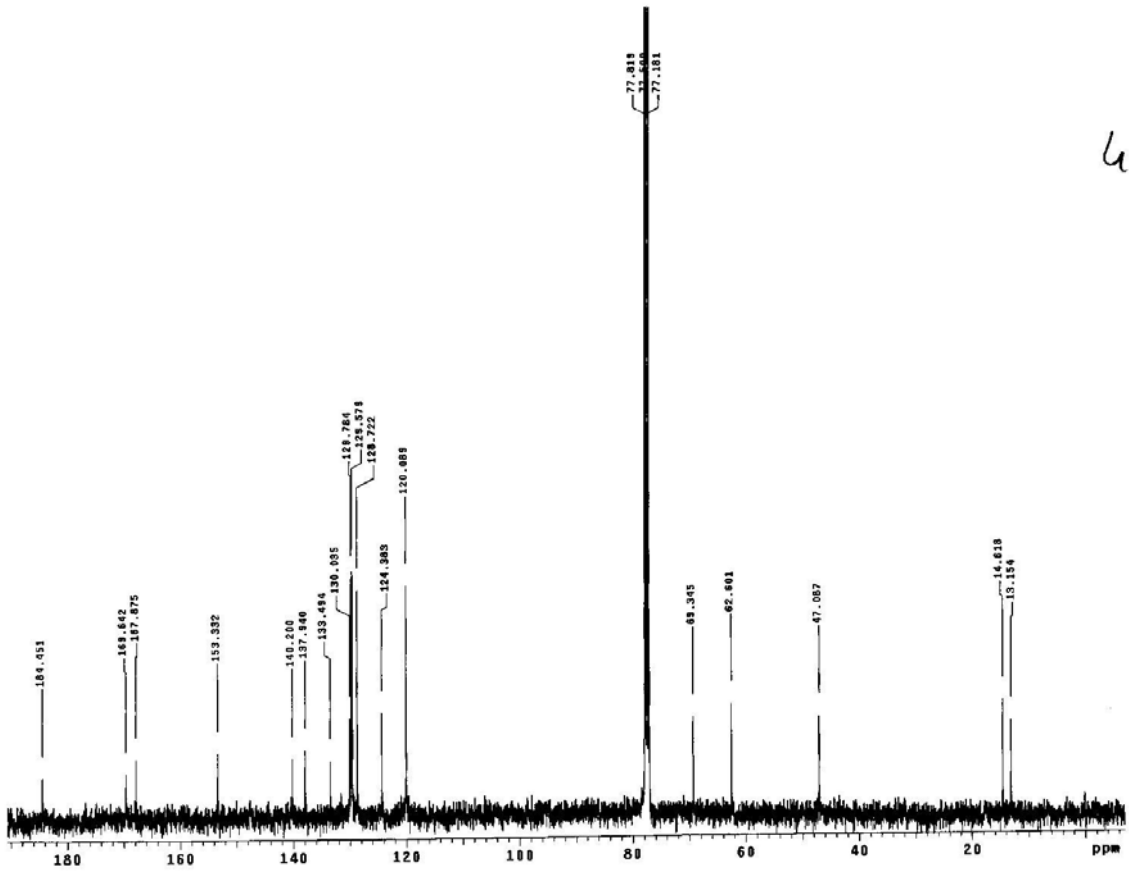
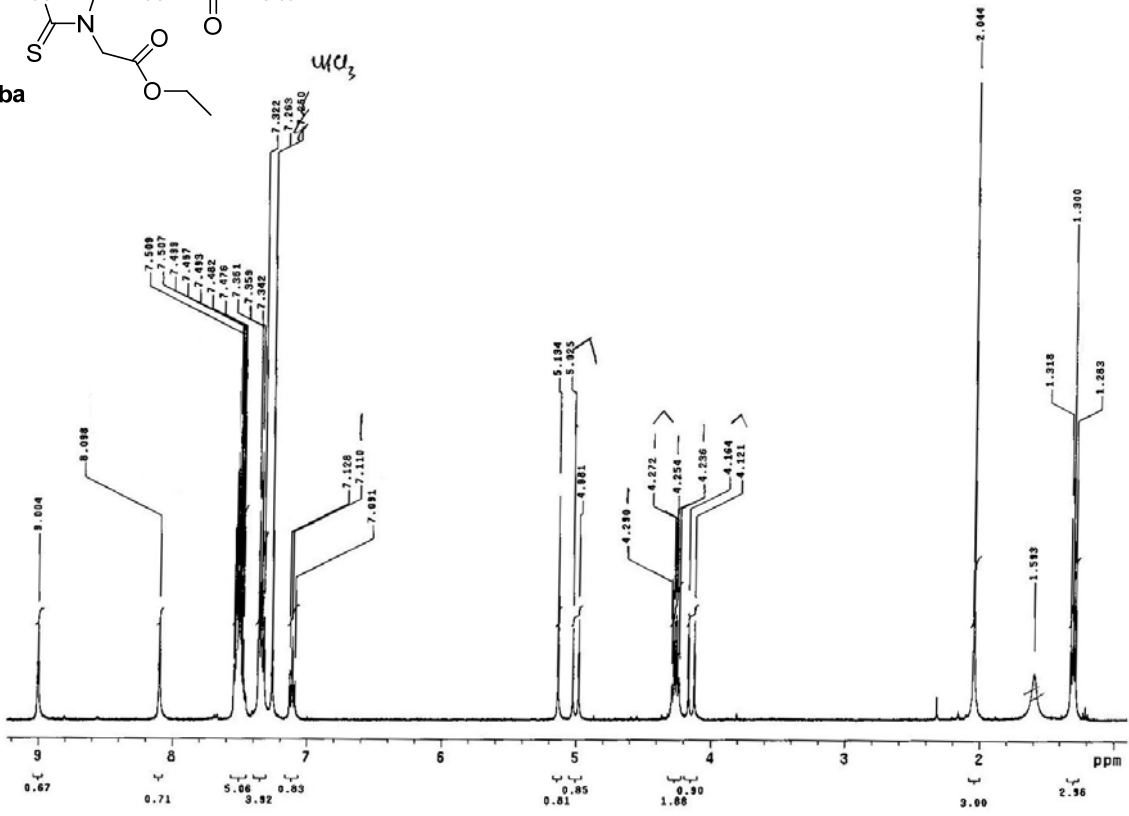
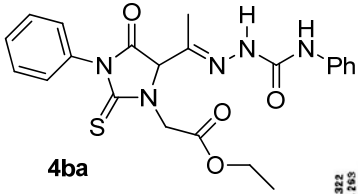


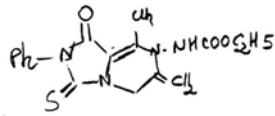
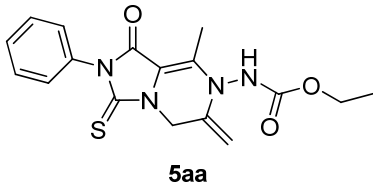
4a9



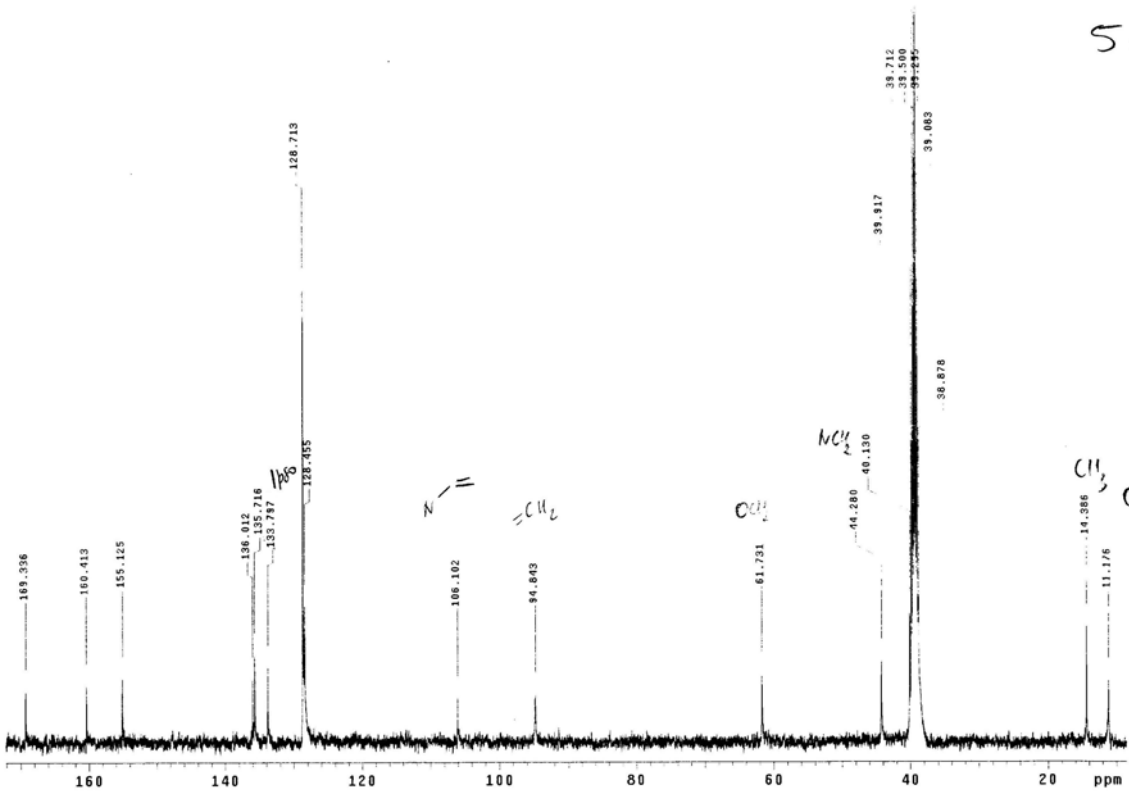
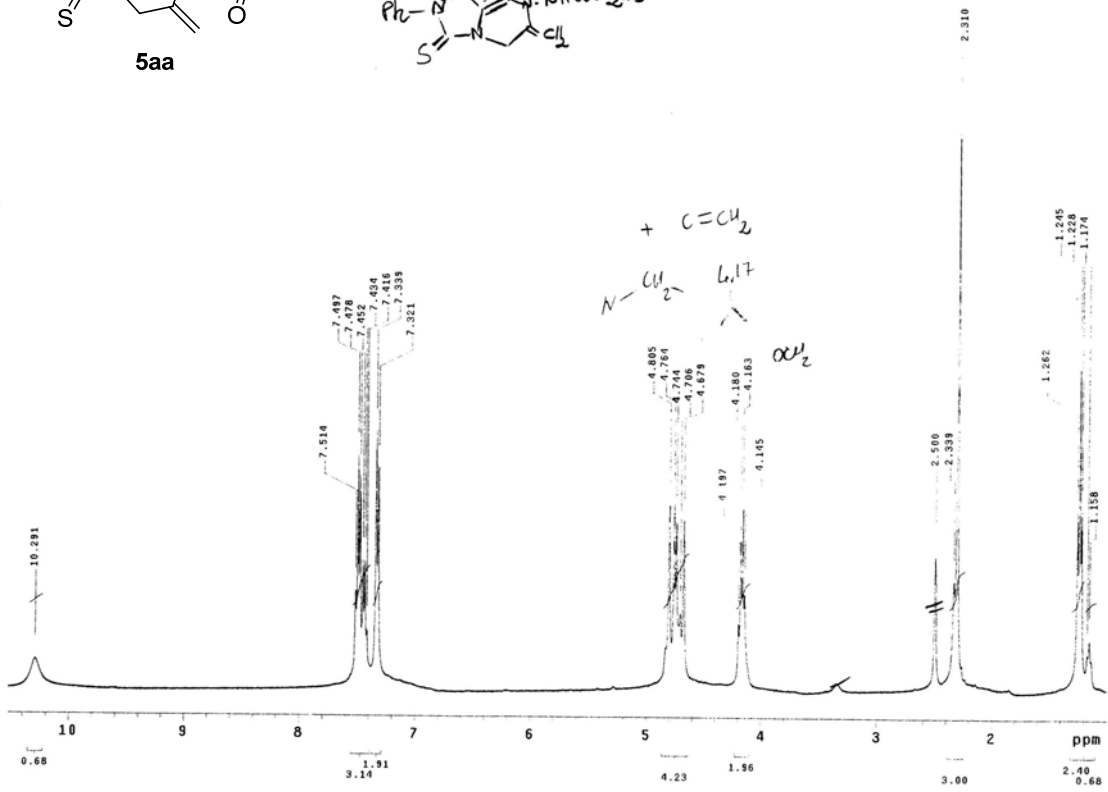
4a9



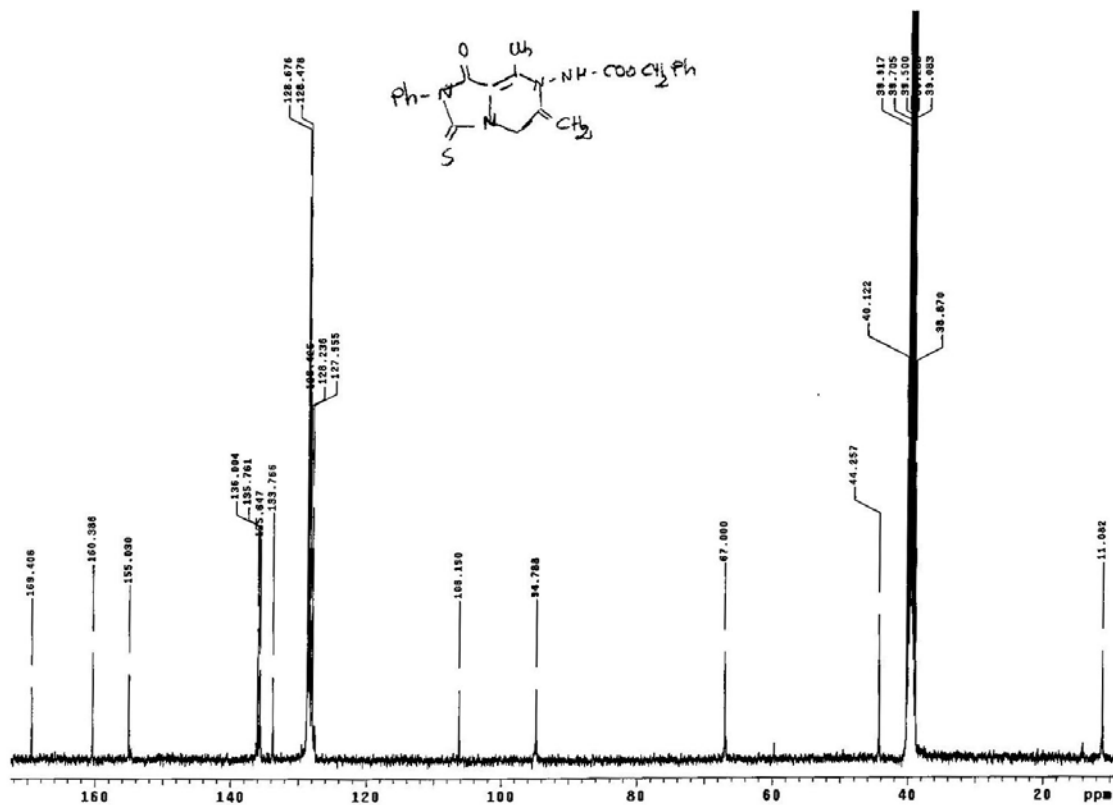
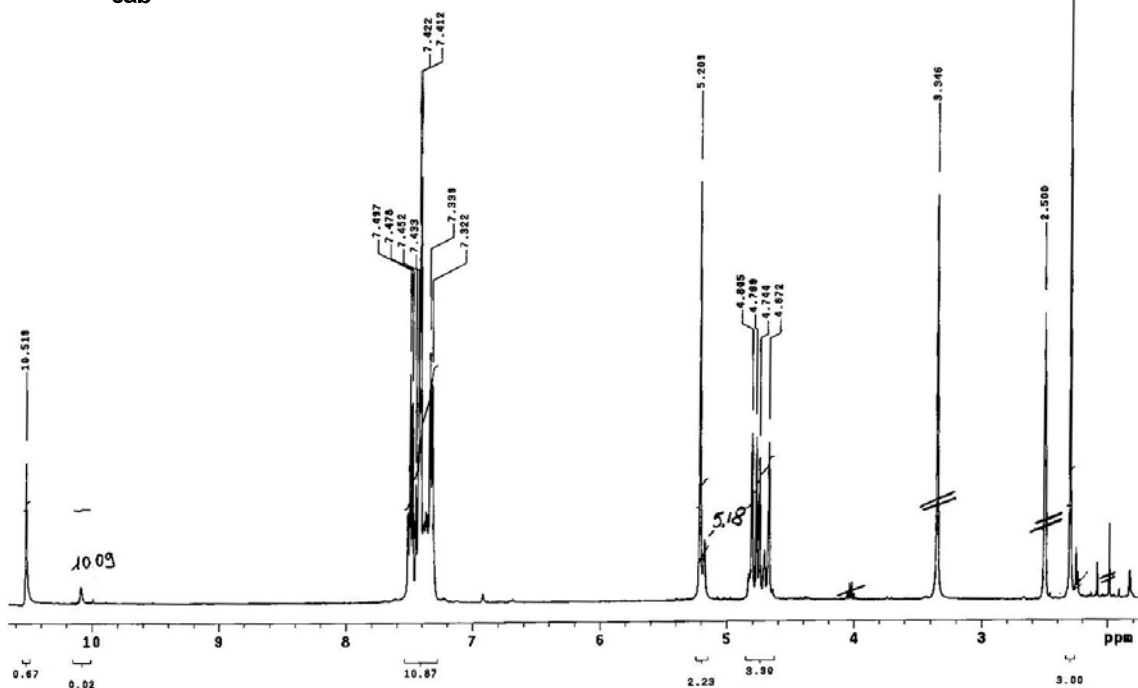
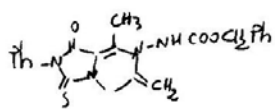
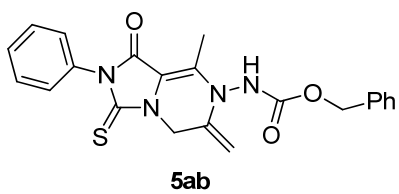


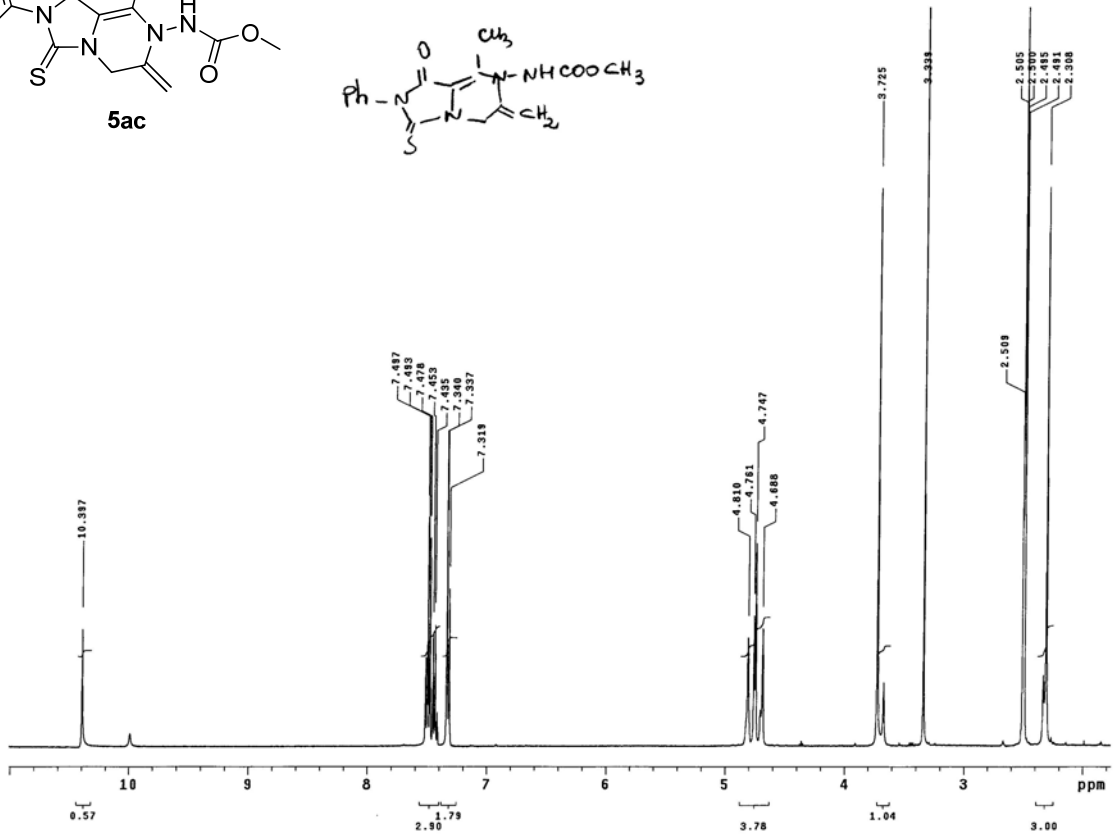
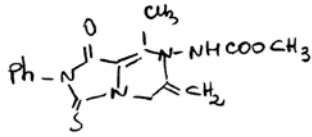
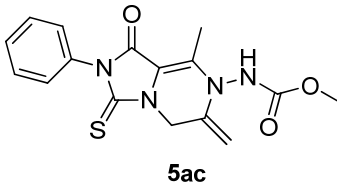


5aa

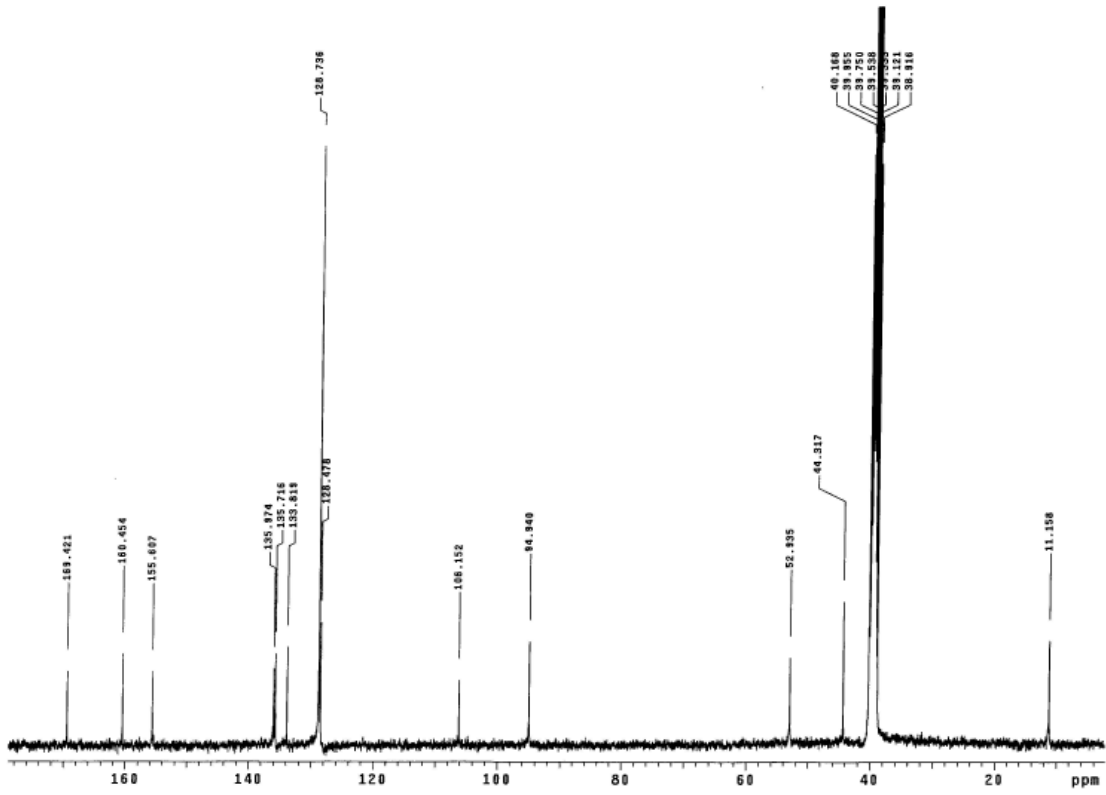


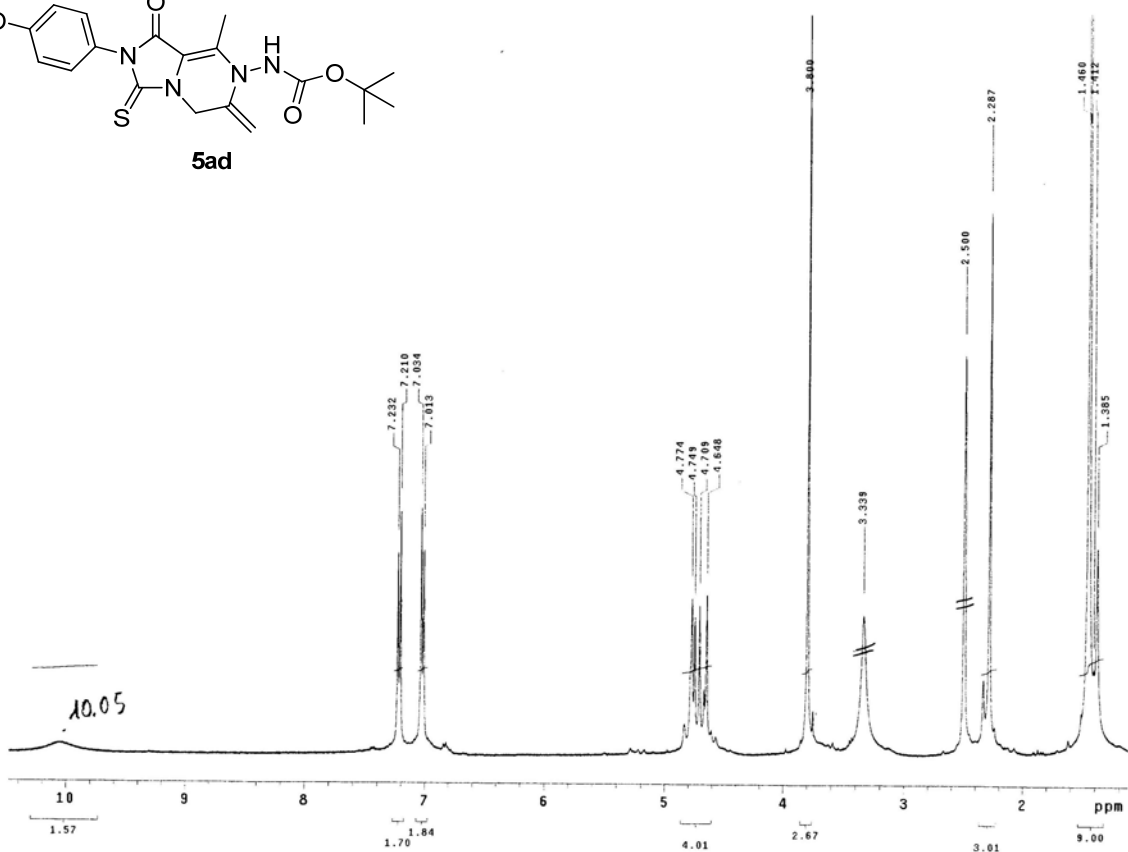
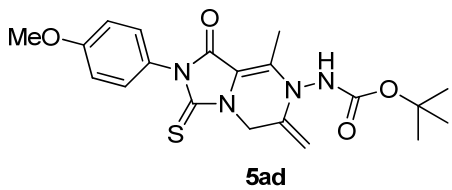
5aa



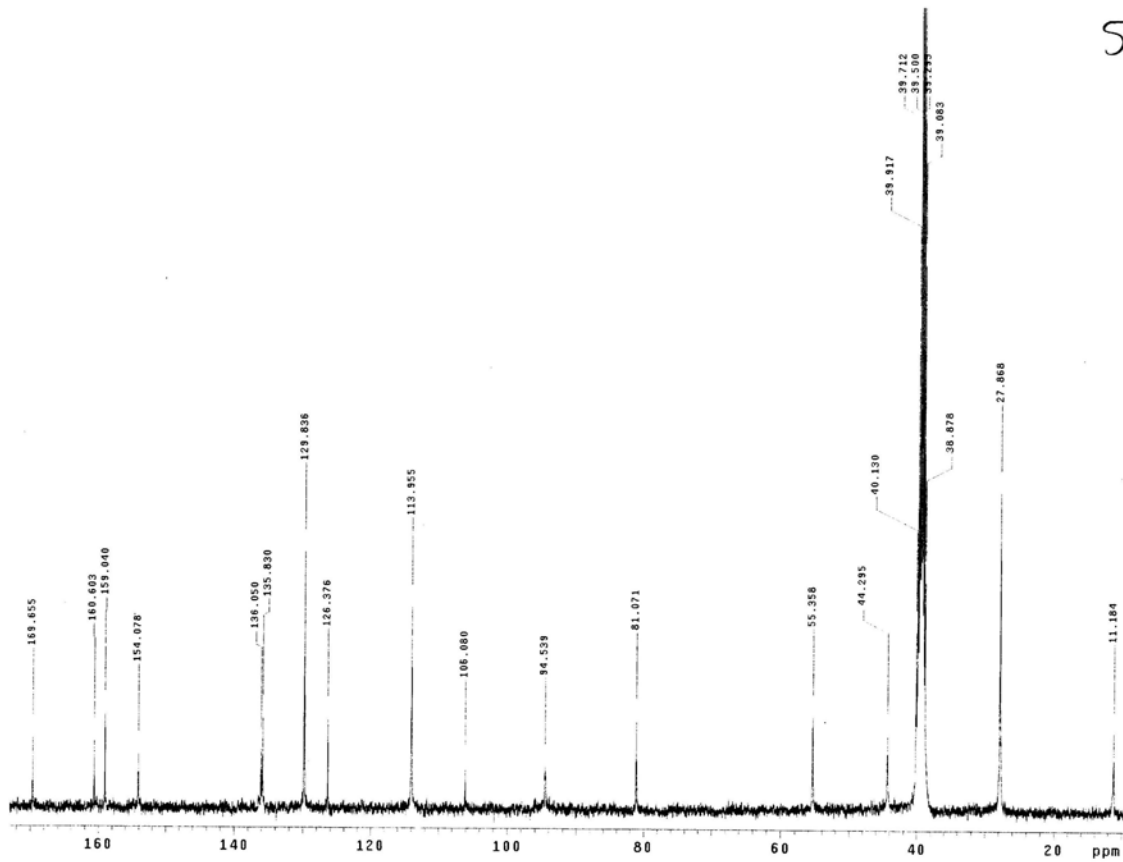


5ac

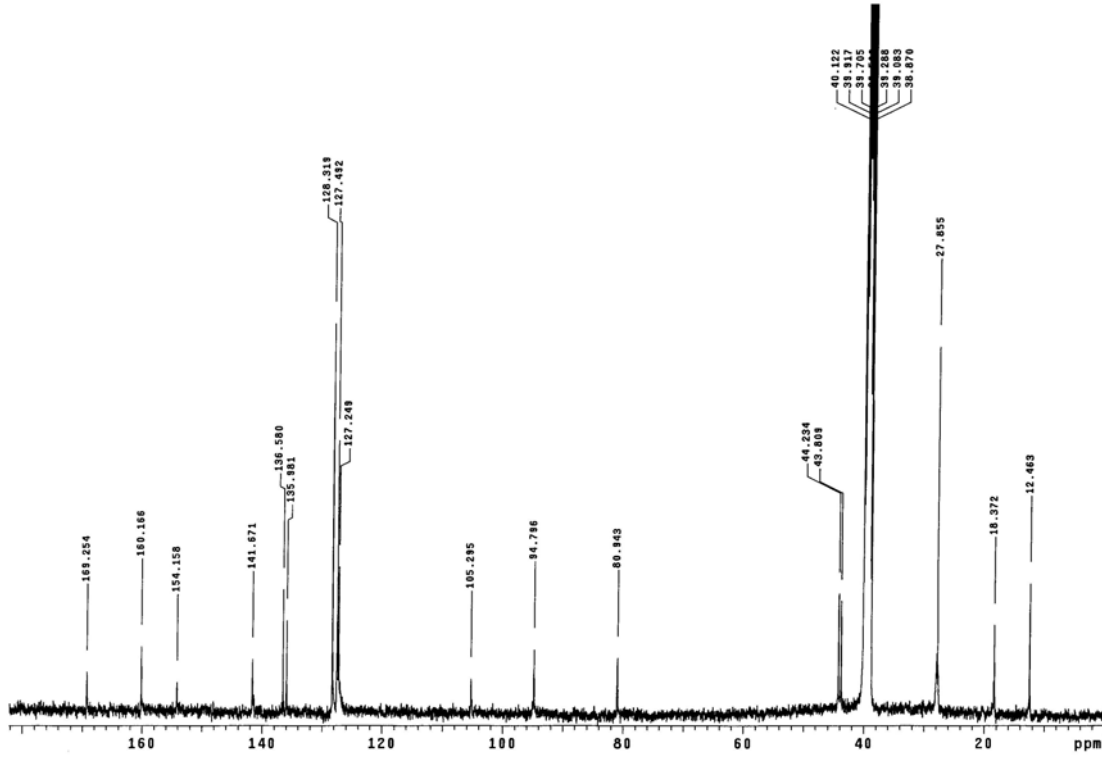
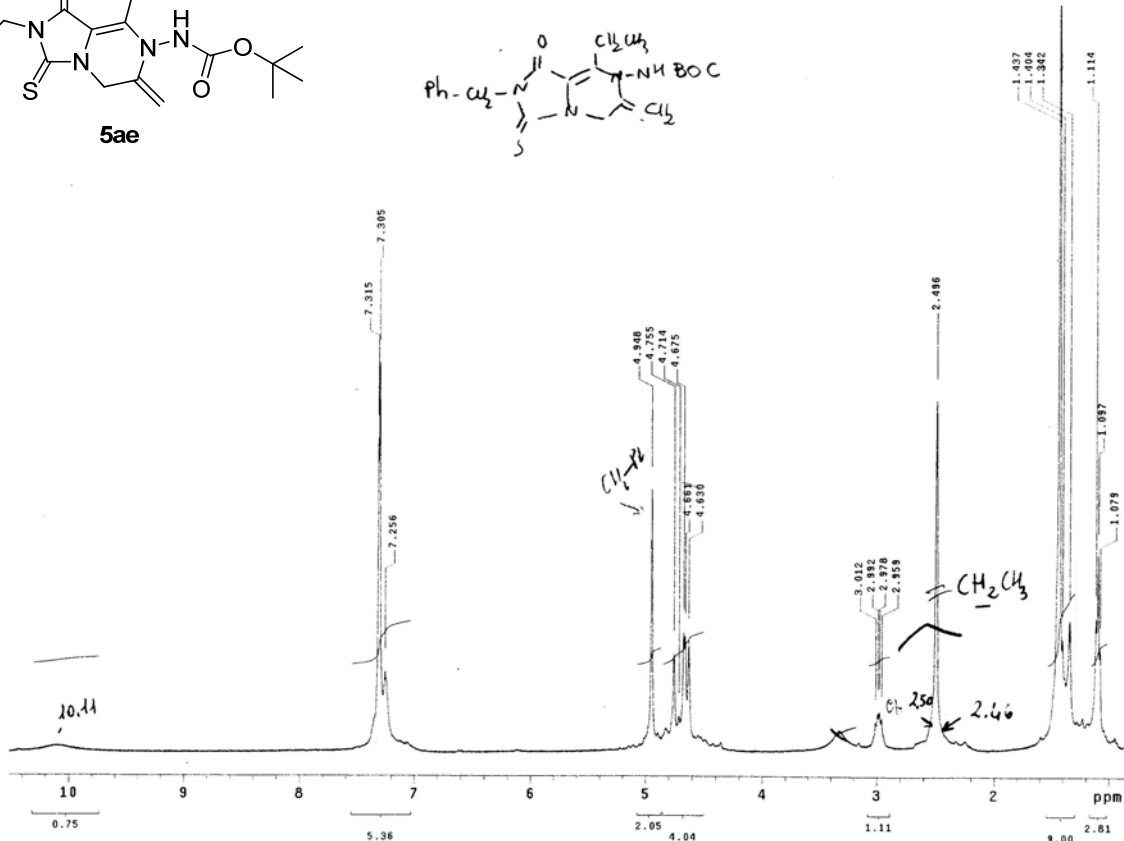
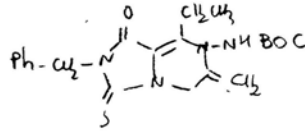
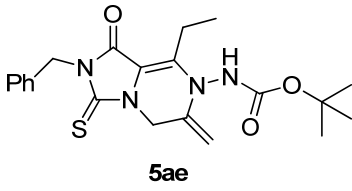


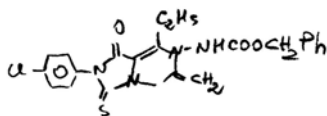
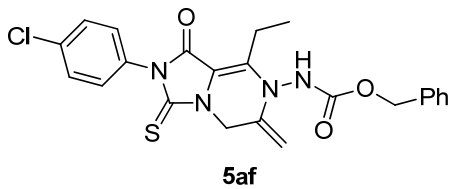


5ad

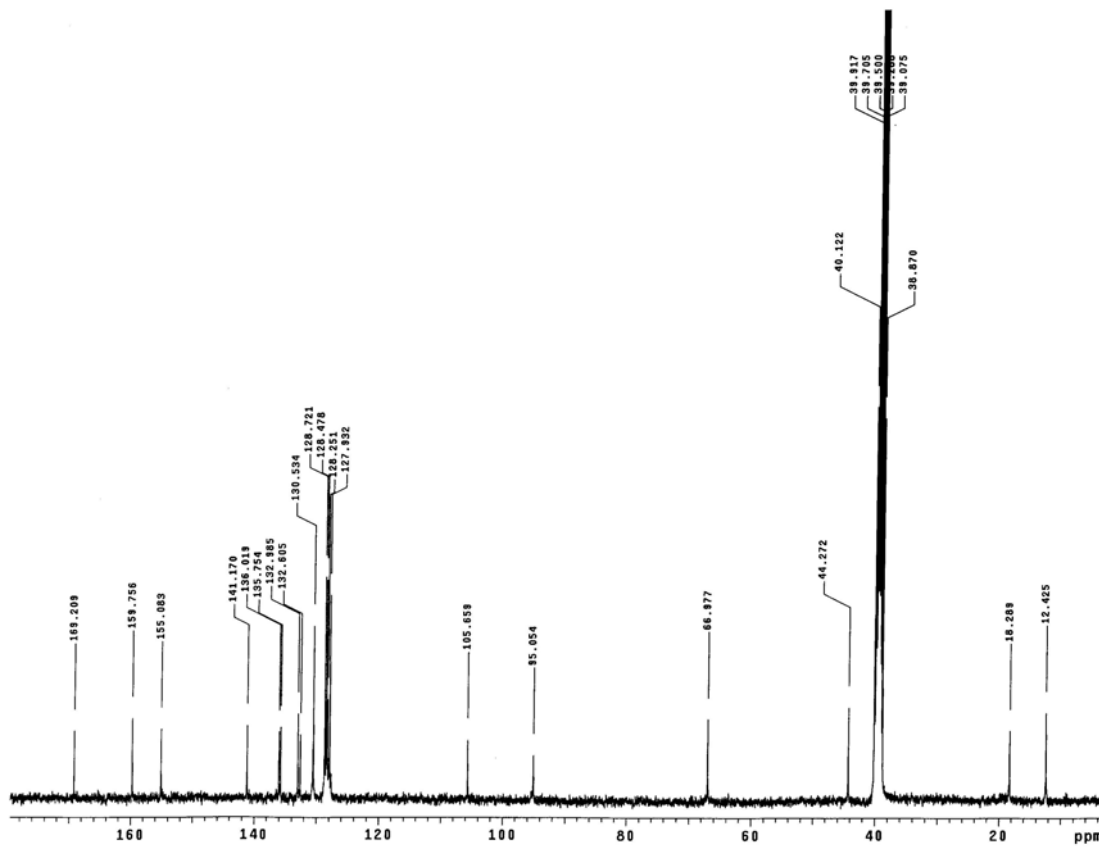
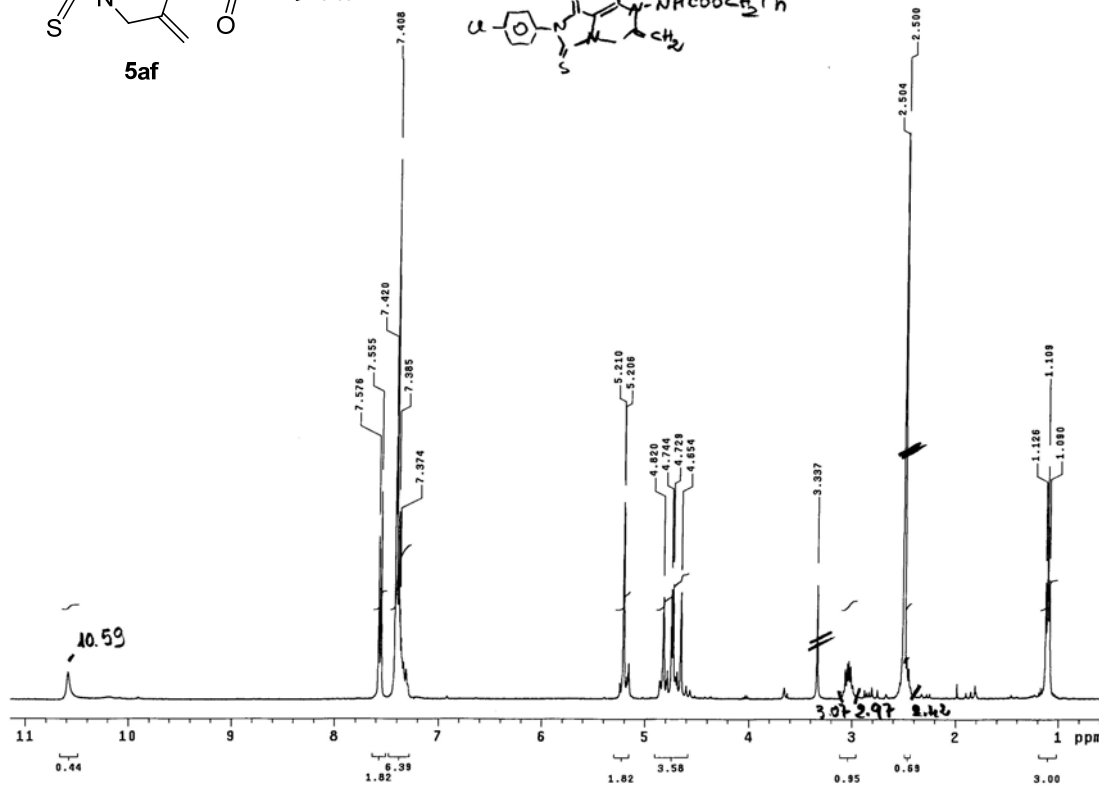


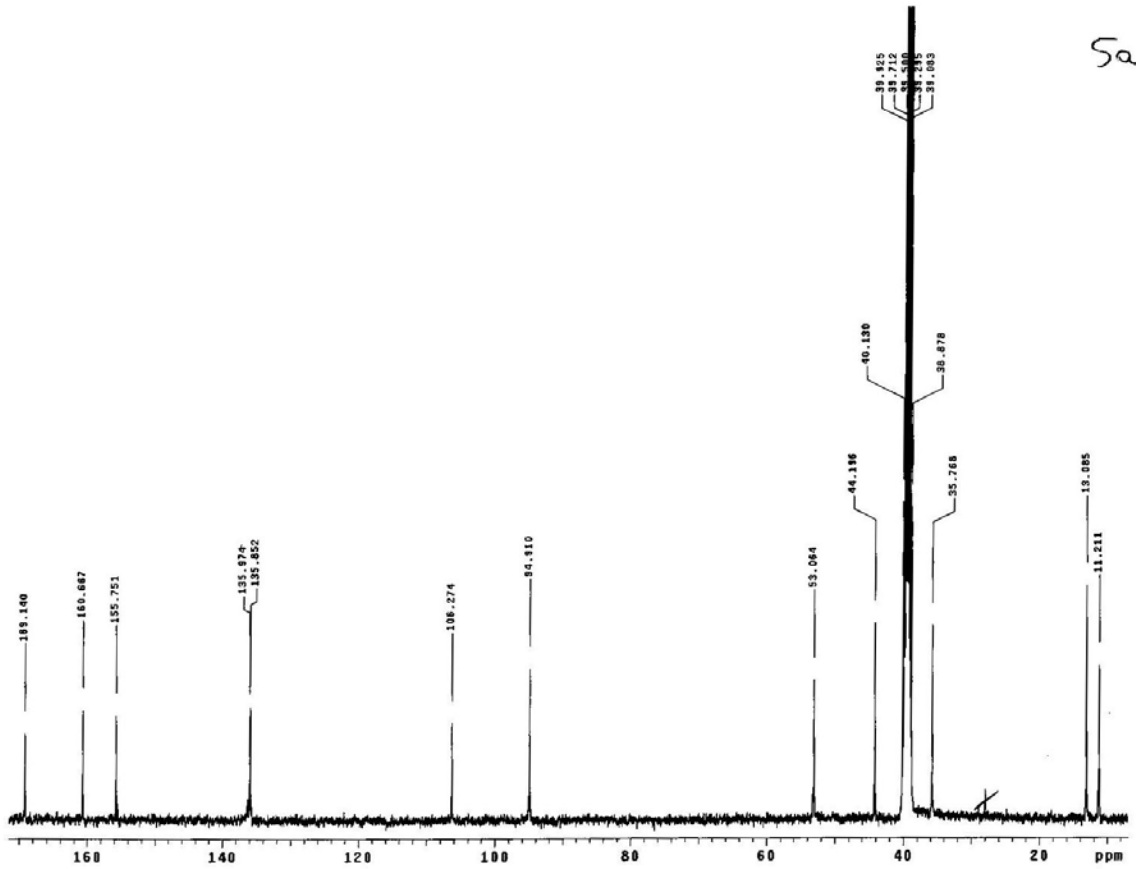
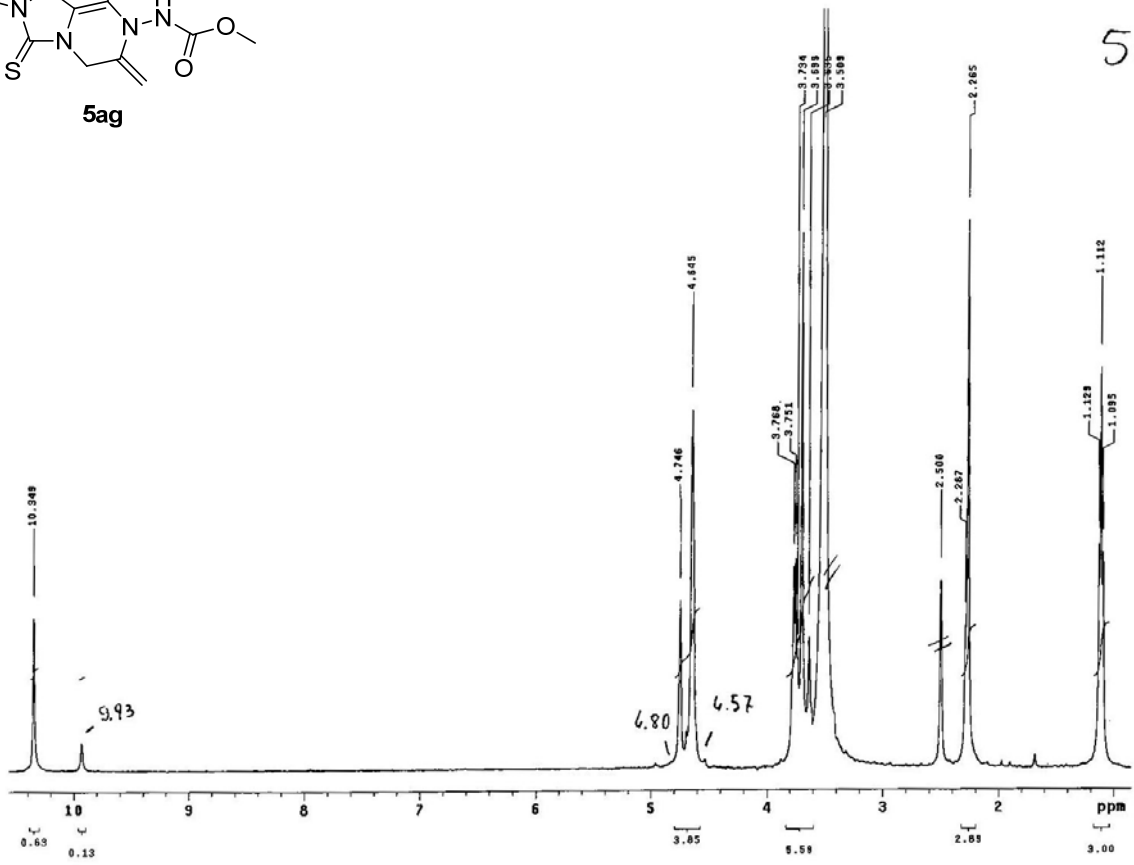
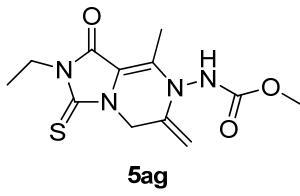
5ad

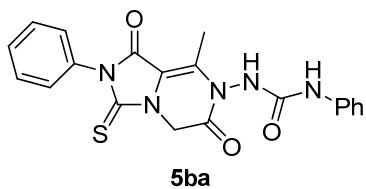




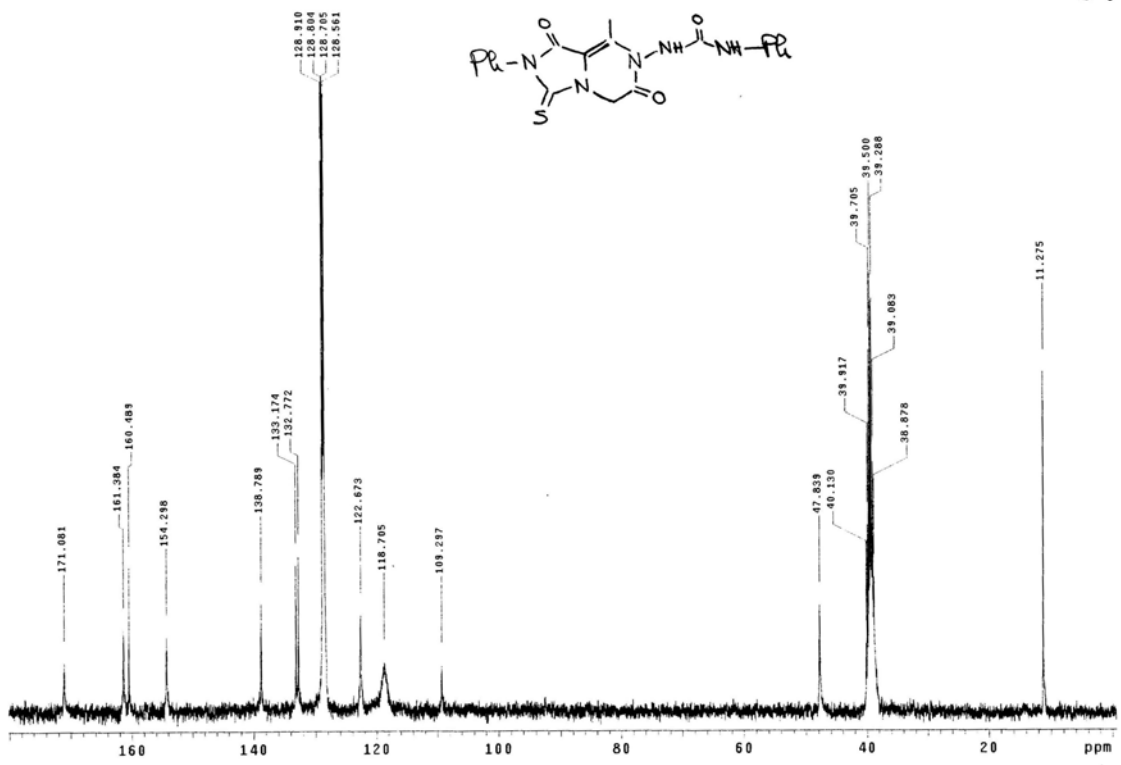
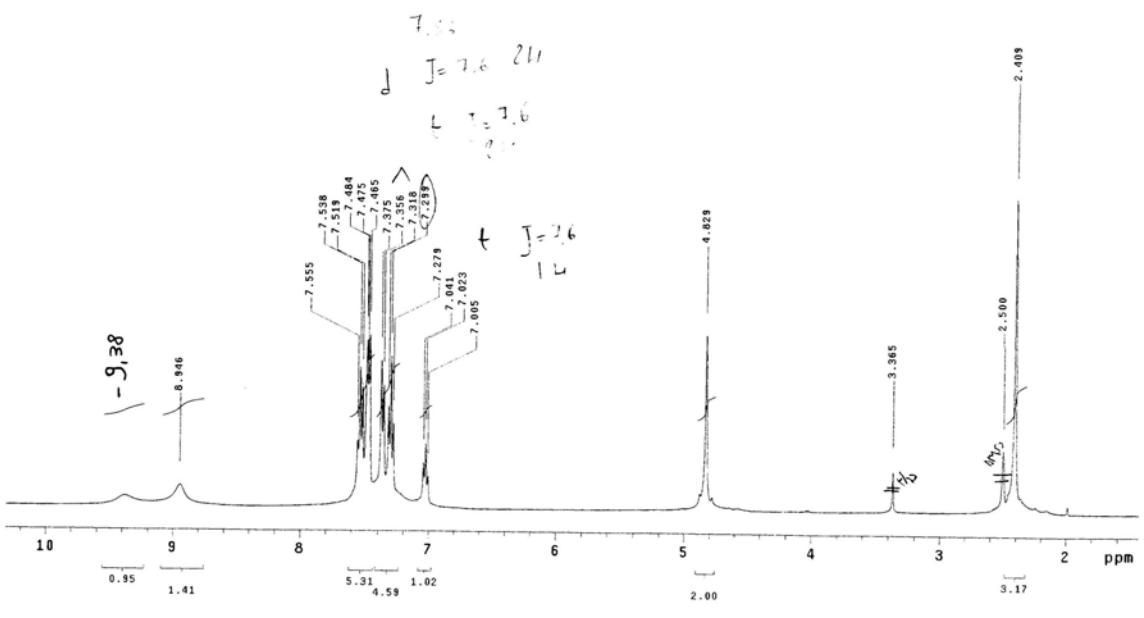
5af



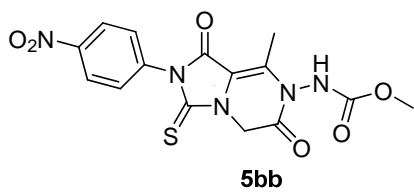




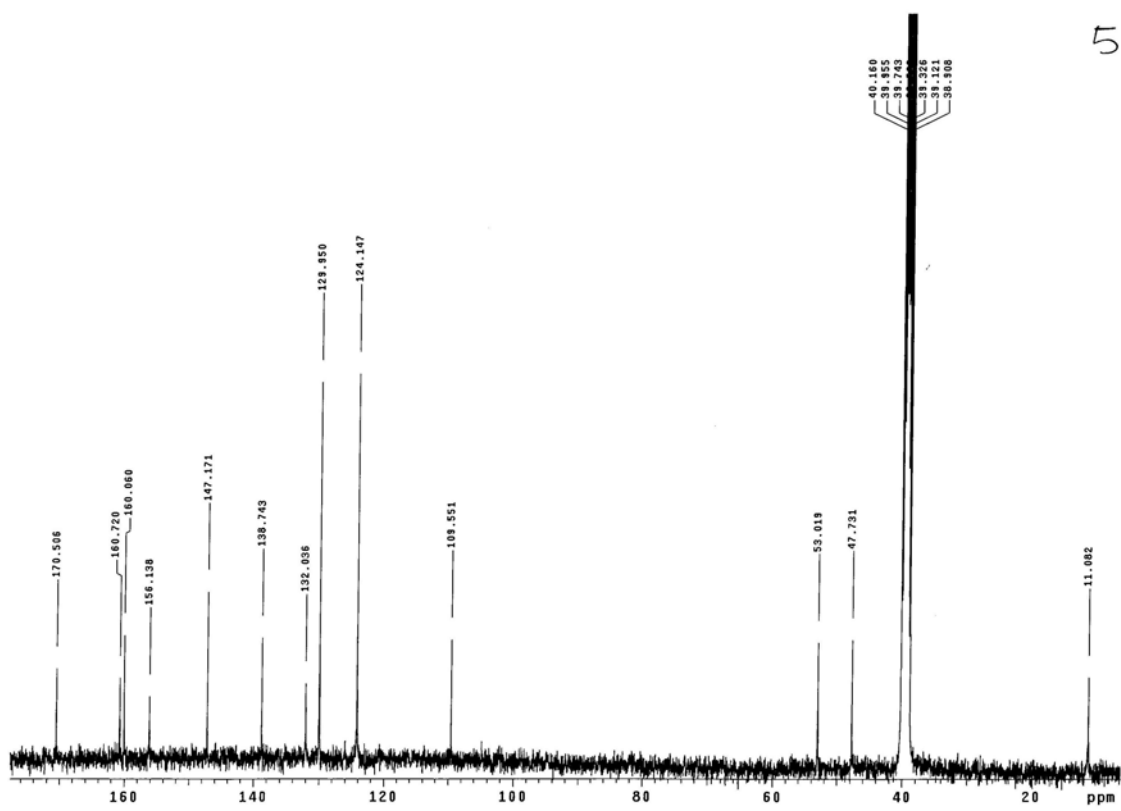
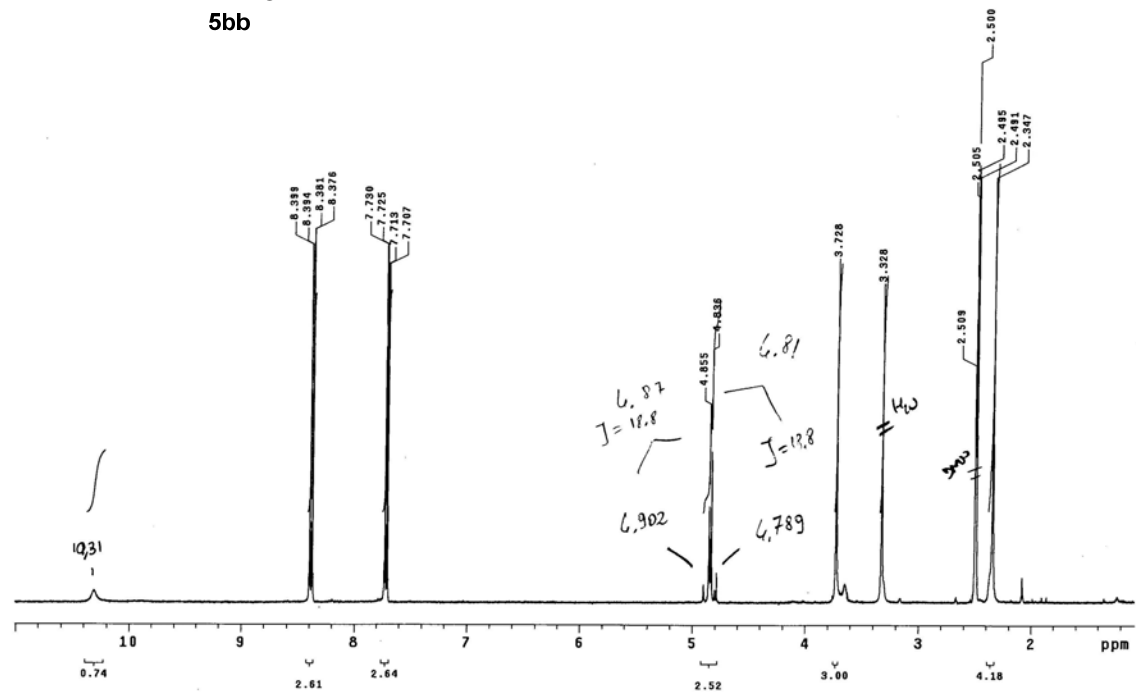
5ba



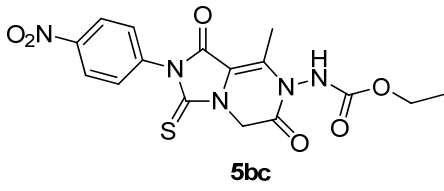
5ba



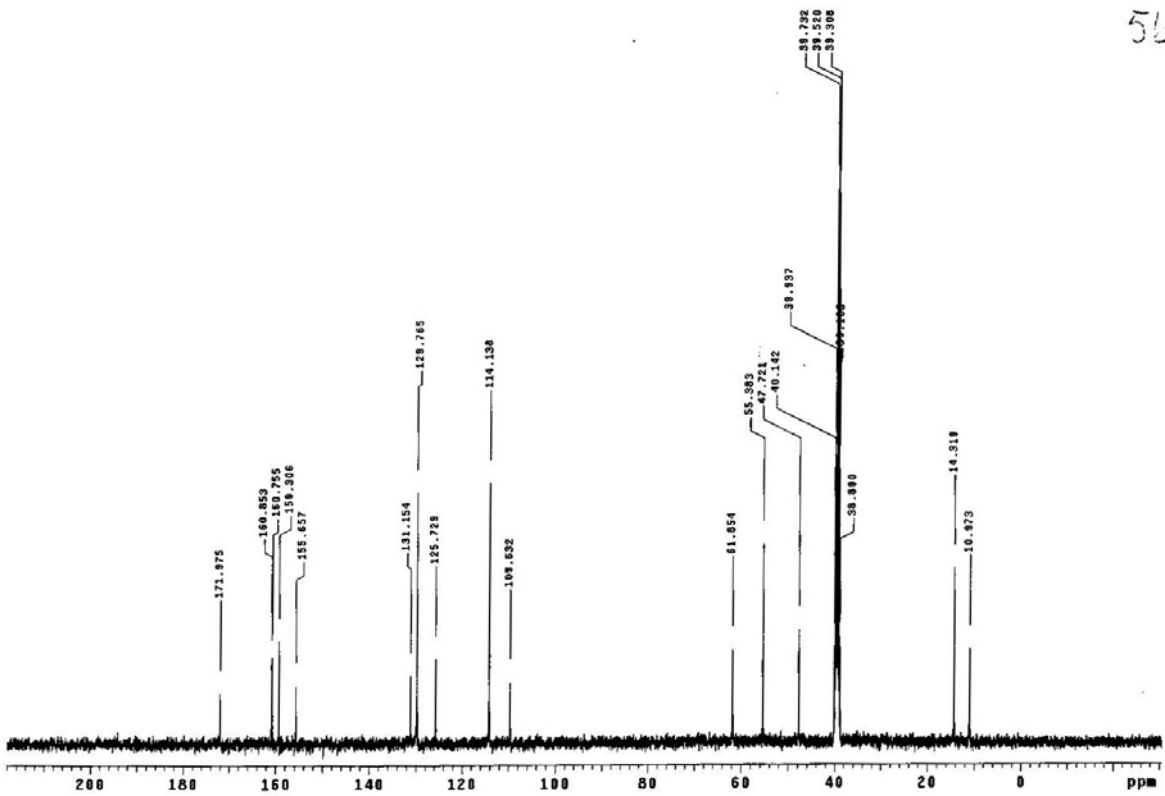
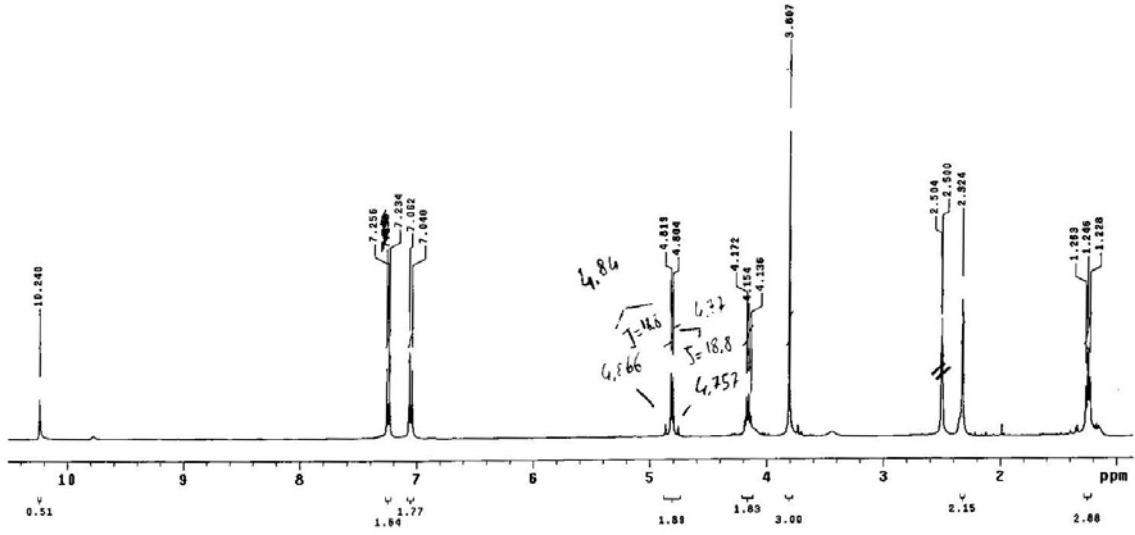
5bb



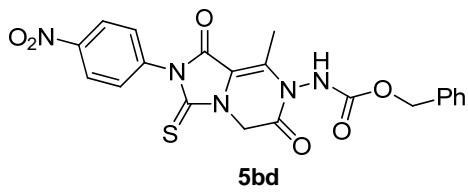
5bb



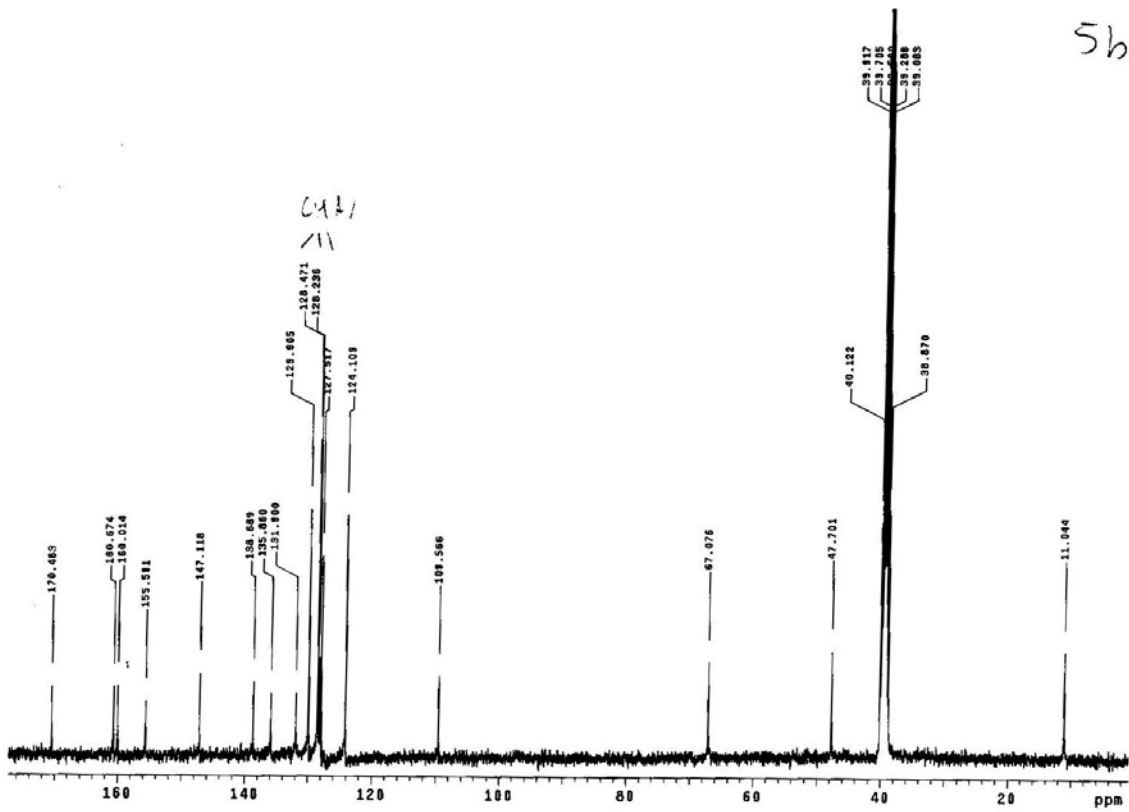
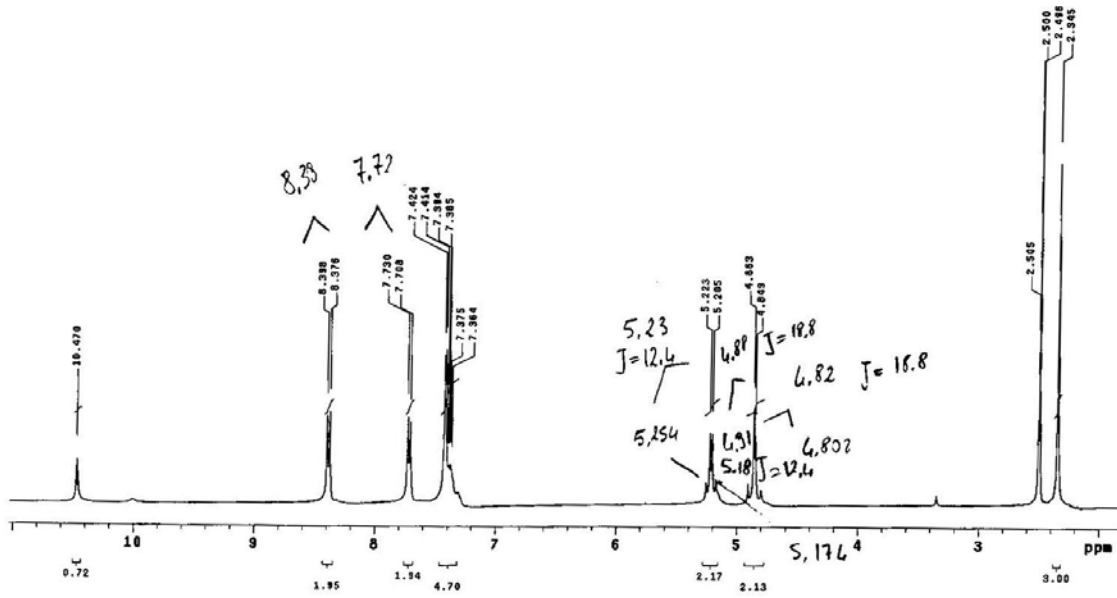
5bc



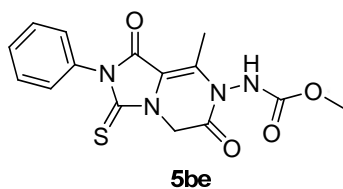
5bc



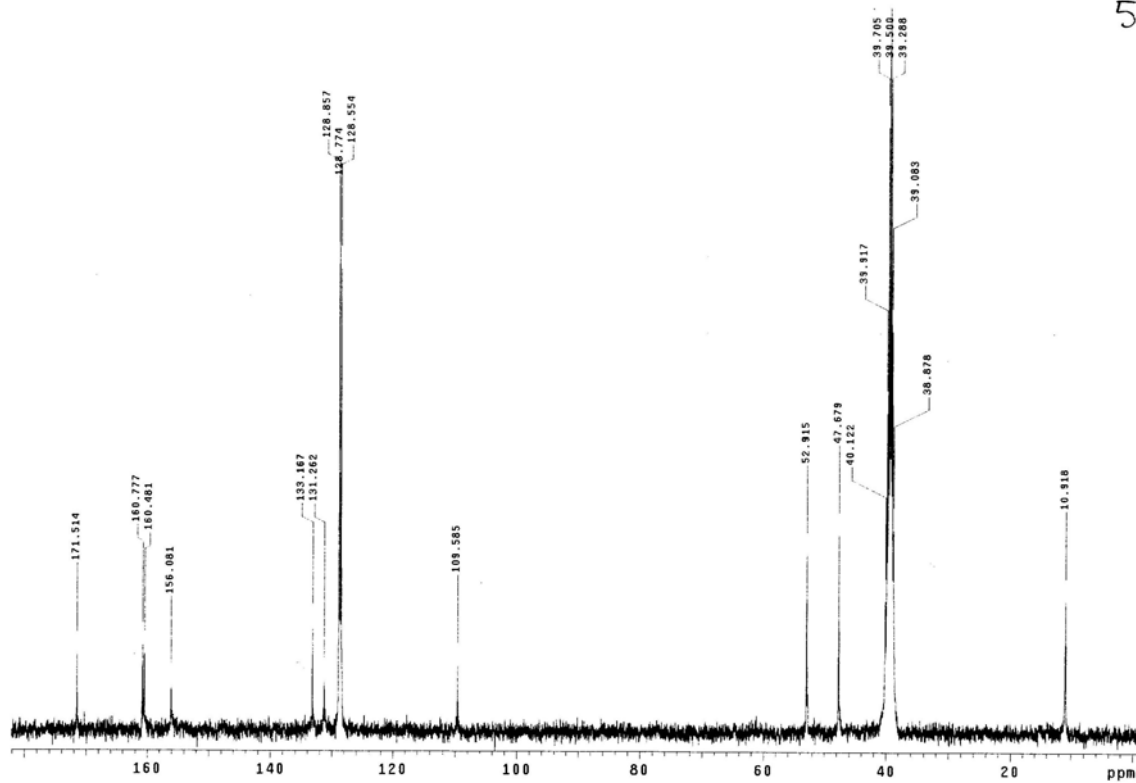
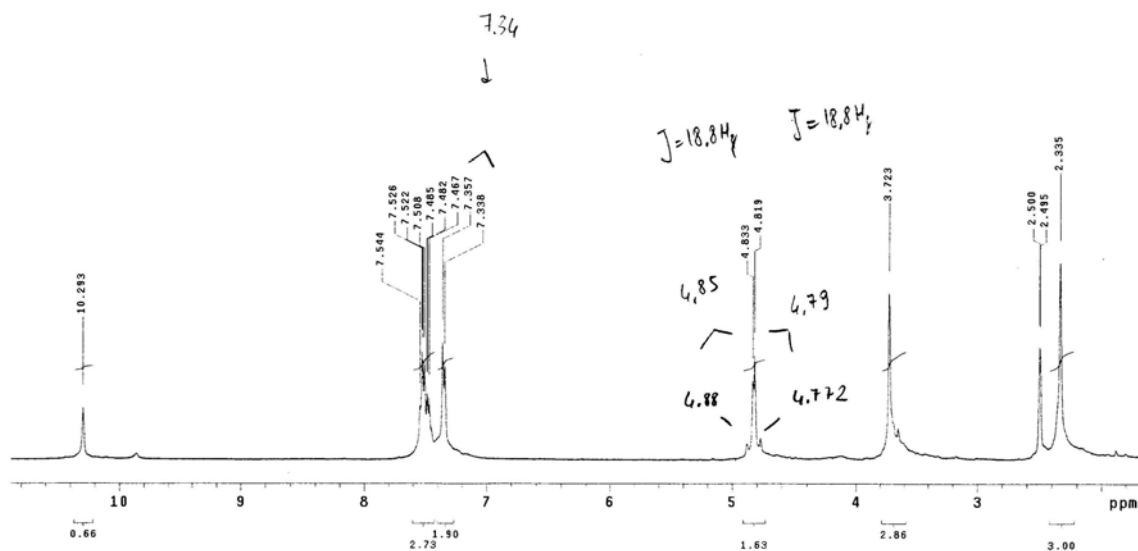
5bd



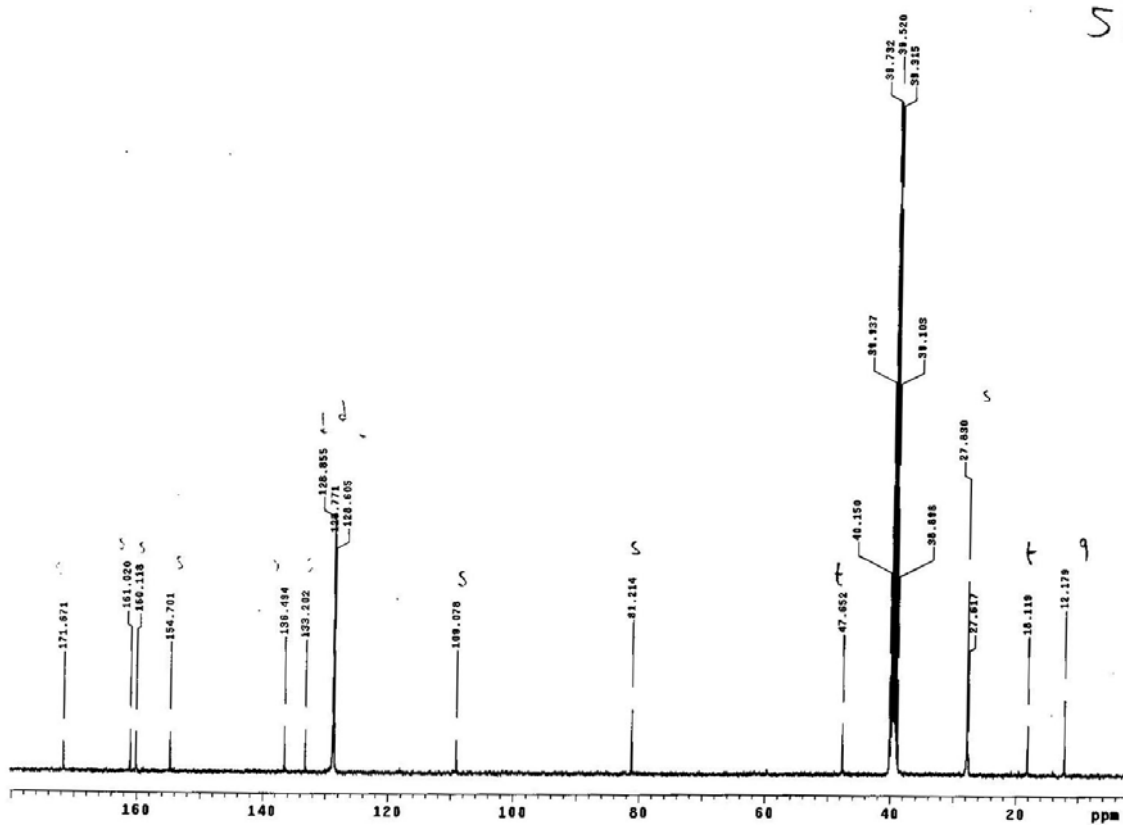
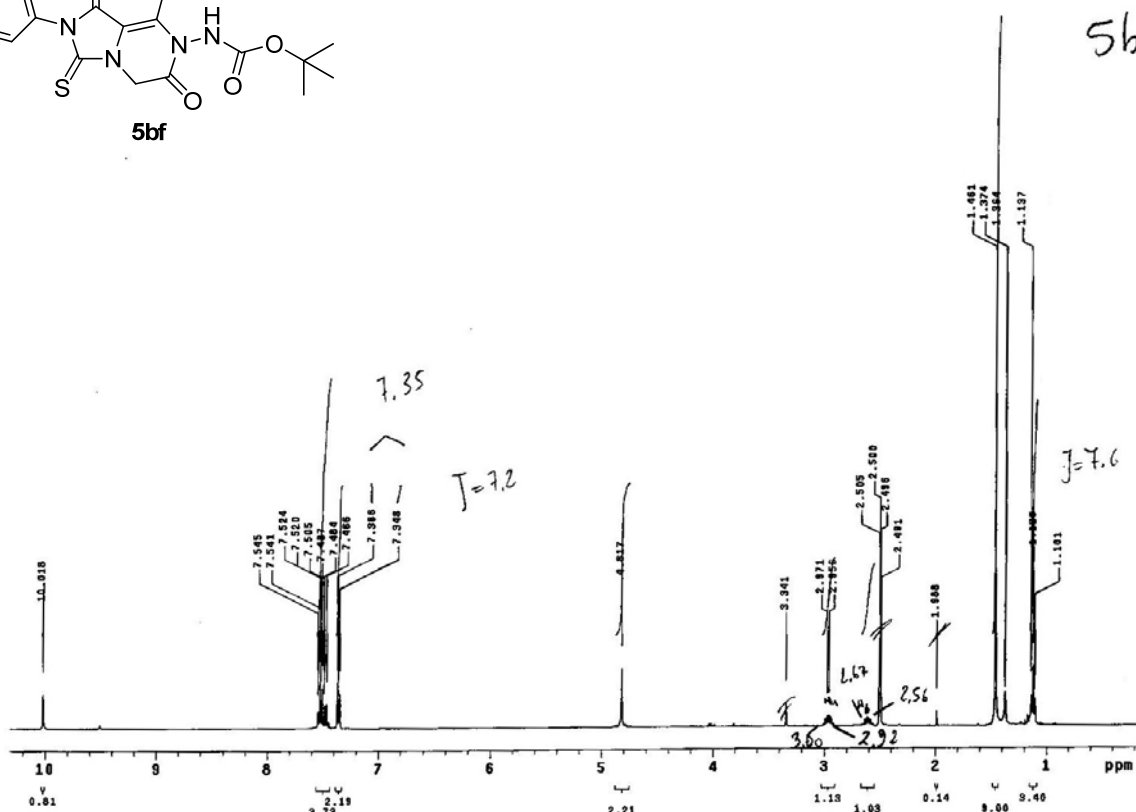
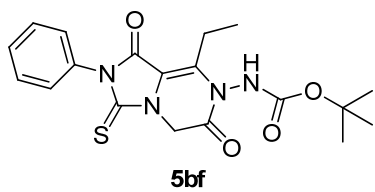
5bd

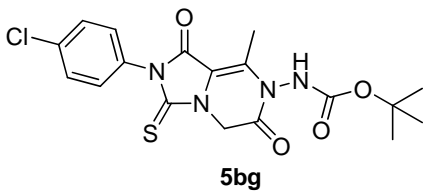


5be

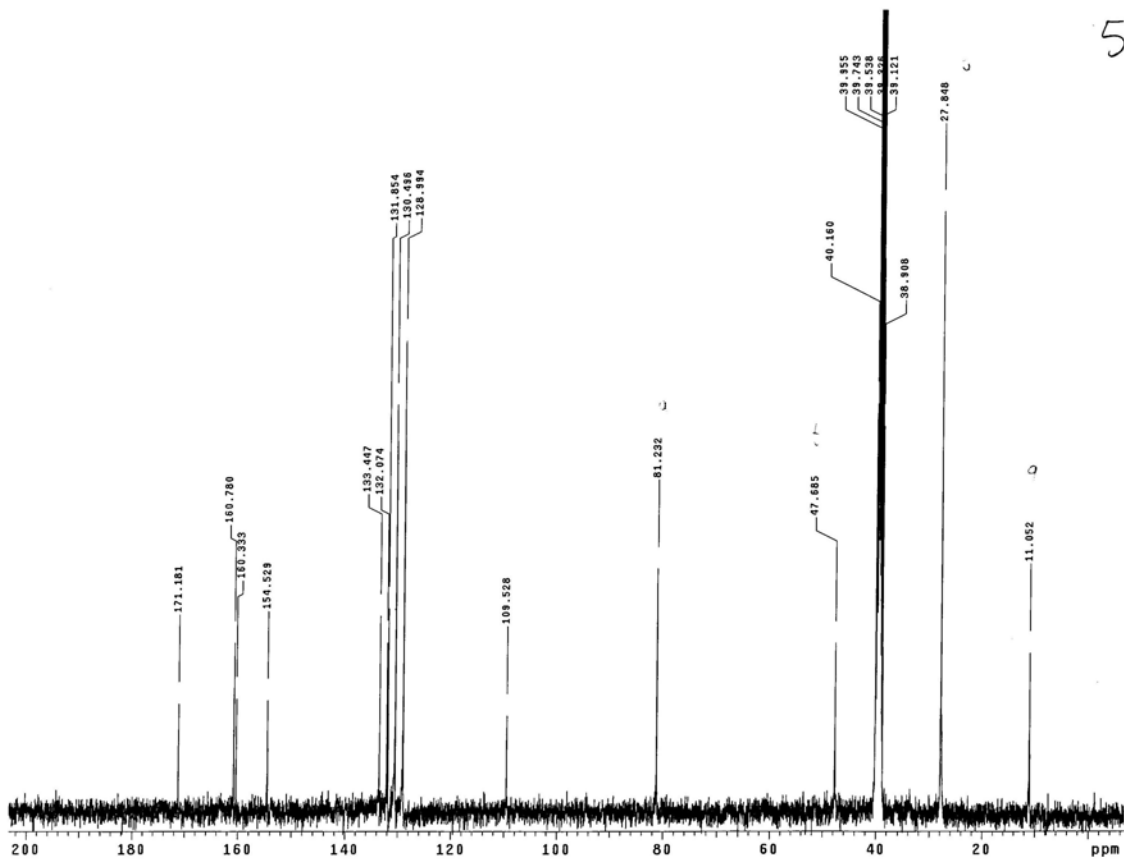
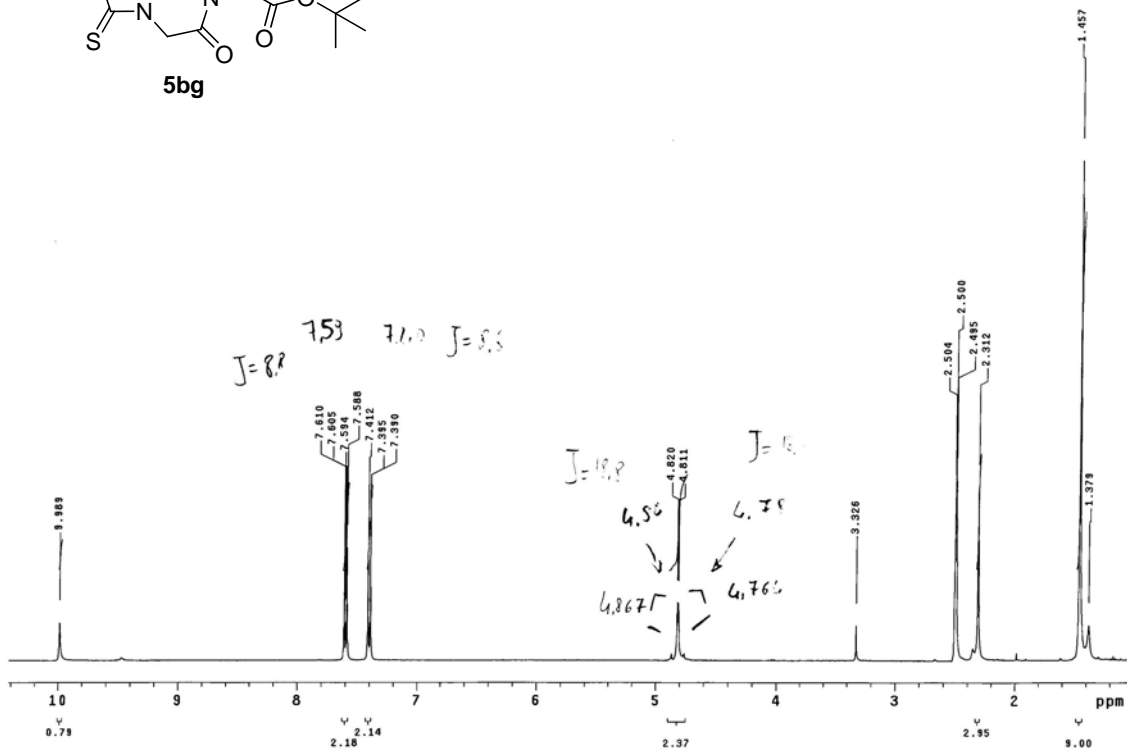


5be





5bg



5bg

