

Supporting information

Synthesis of 1,2,3-triazole-piperazin-benzo[*b*][1,4]thiazine 1,1-dioxides: Antibacterial, Hemolytic and *In silico* TLR4 protein inhibitory activities

Nagavelli Ramu,^a Thupurani Murali Krishna,^b Ravikumar Kapavarapu,^c Sirassu Narsimha*^a

^a*Department of Chemistry, Chaitanya Deemed to be University, Hyderabad, Telangana, India*

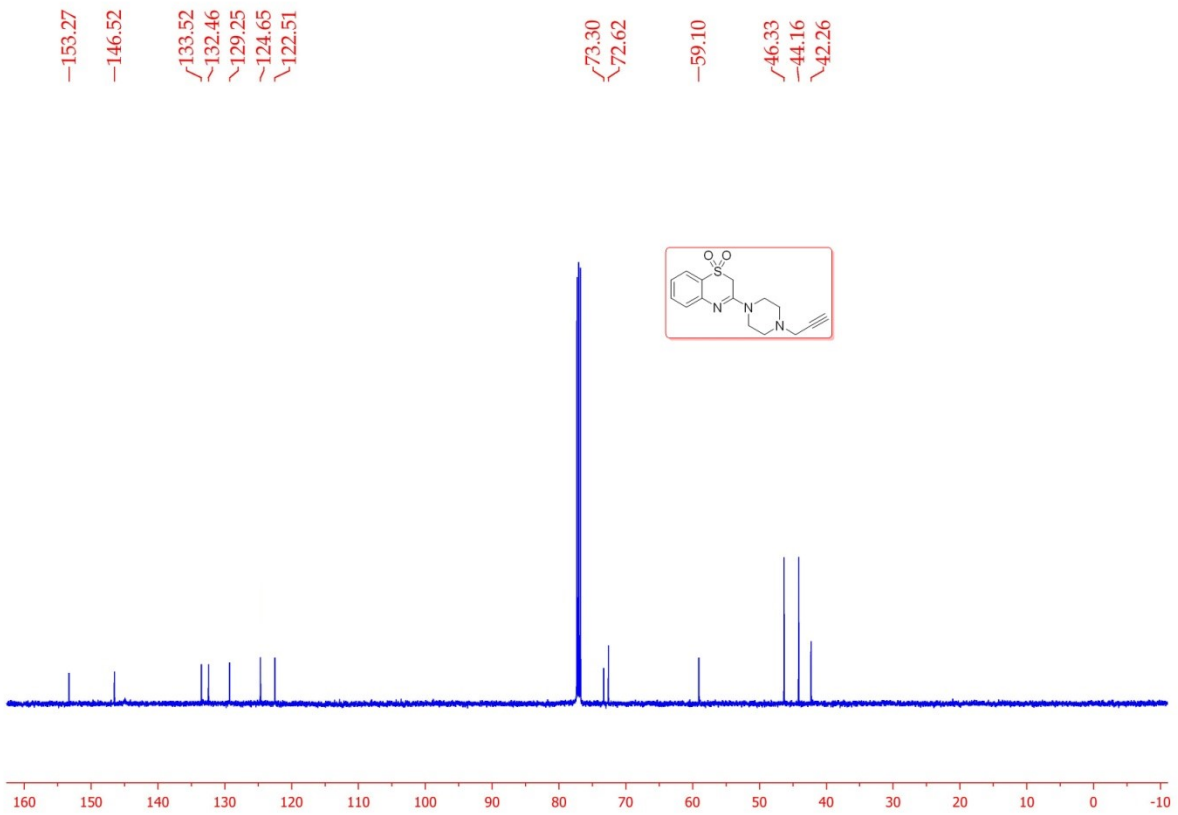
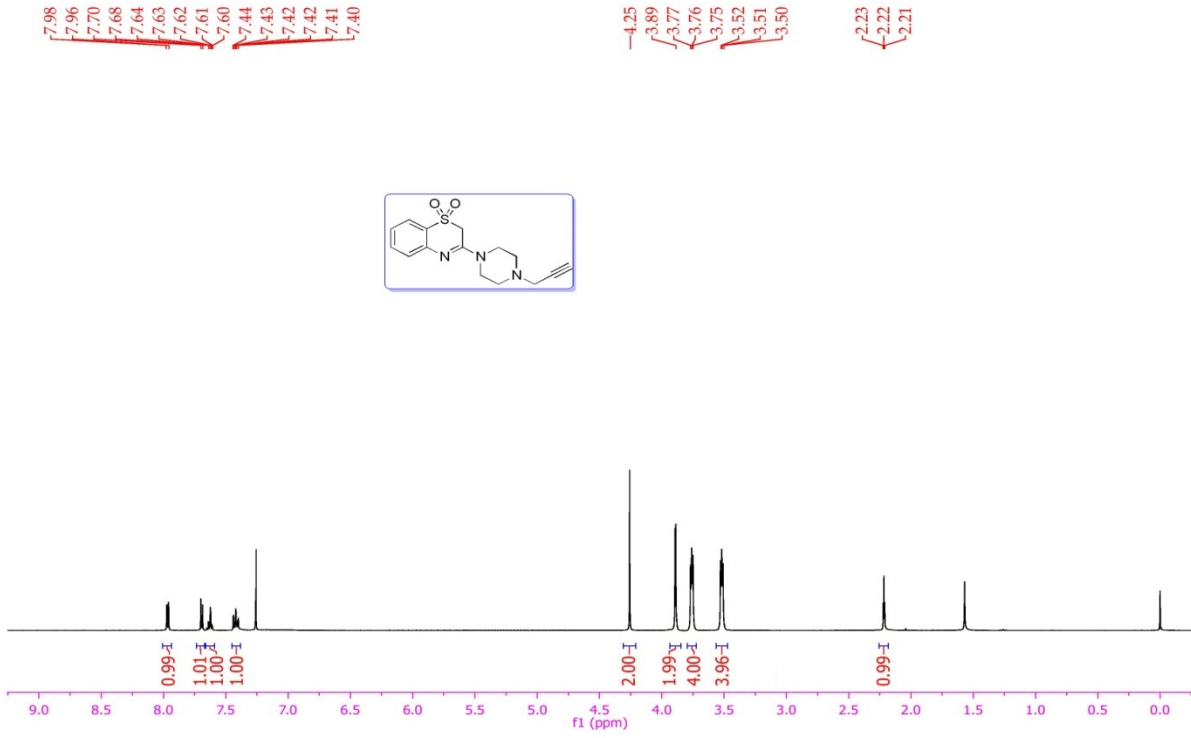
^b*Department of Biotechnology, Chaitanya Deemed to be University, Hyderabad, Telangana, India*

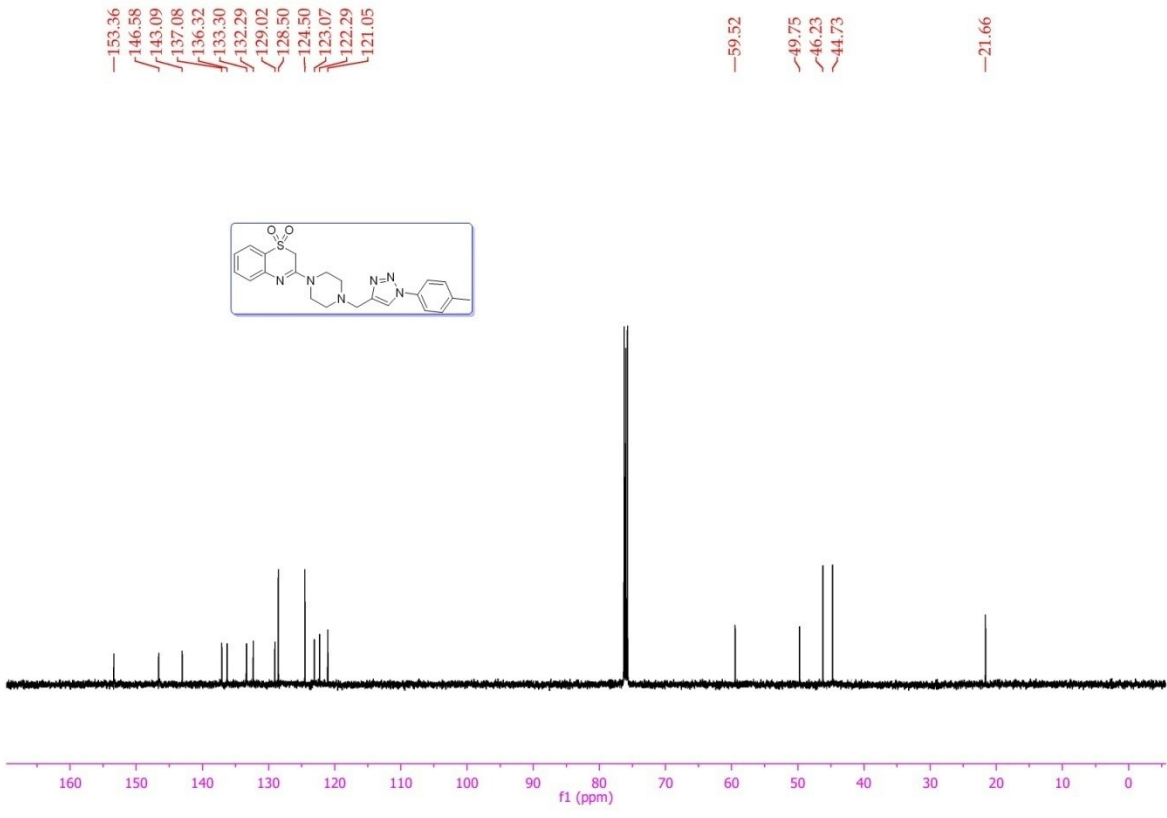
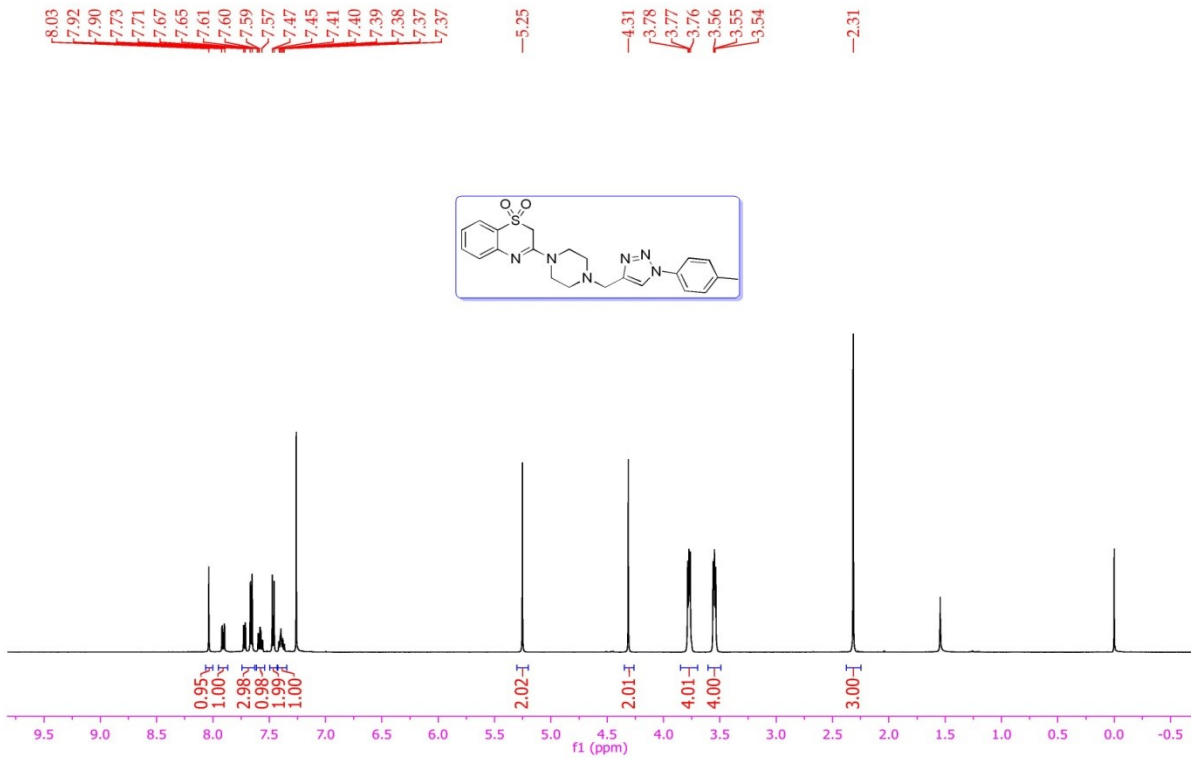
^c*Department of Pharmaceutical Chemistry and Phytochemistry, Nirmala College of Pharmacy, Atmakur,
Mangalgiri, Andhra Pradesh, India*

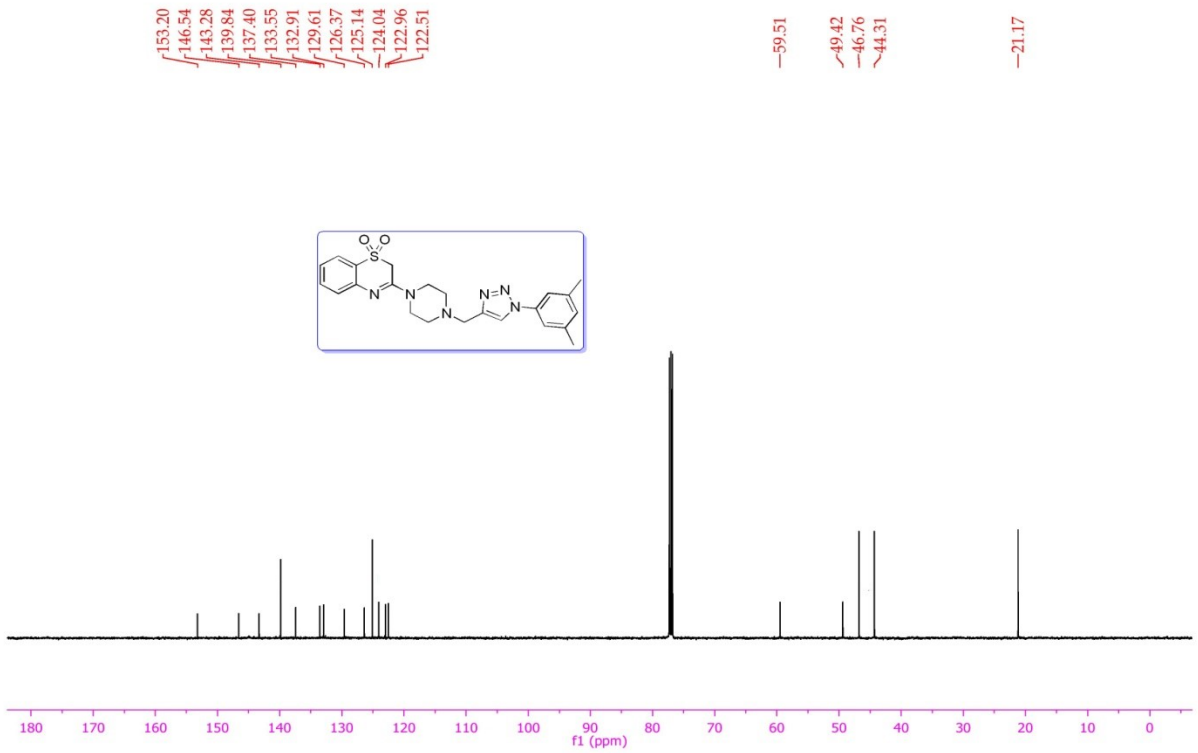
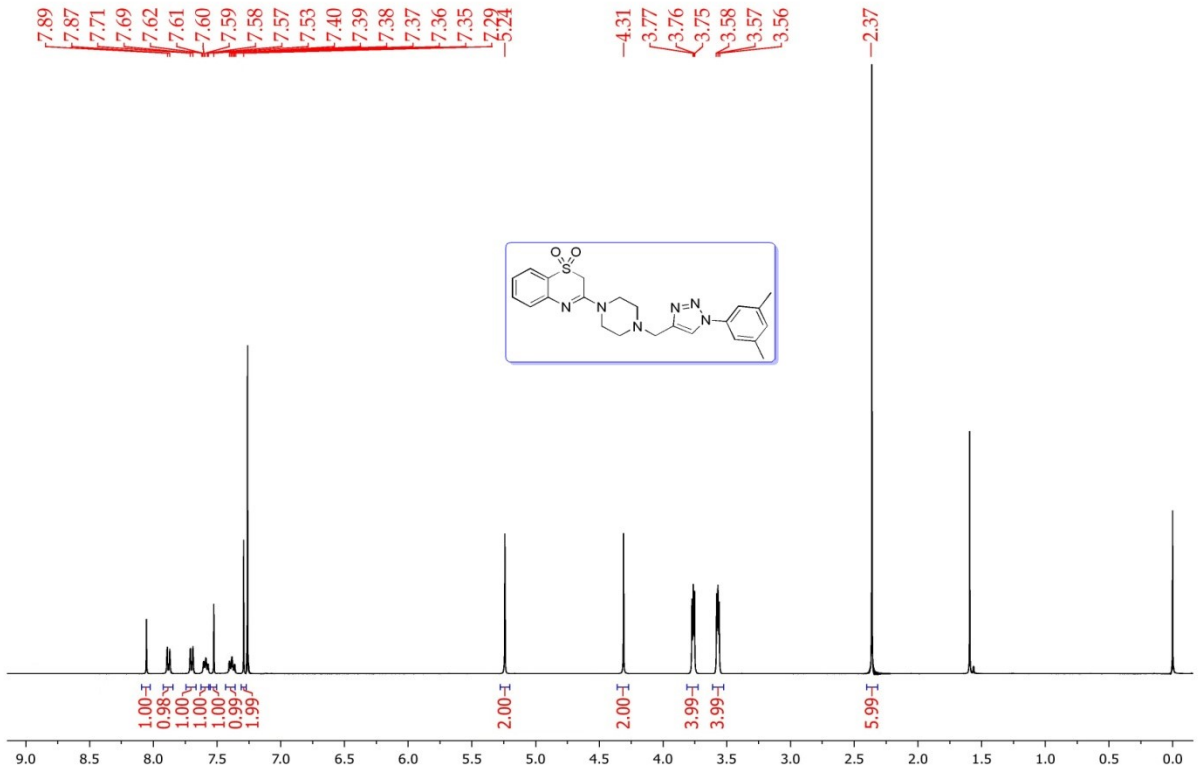
*E-mail: narsimha.s88@gmail.com & narsimha.s88@chaitanya.edu.in

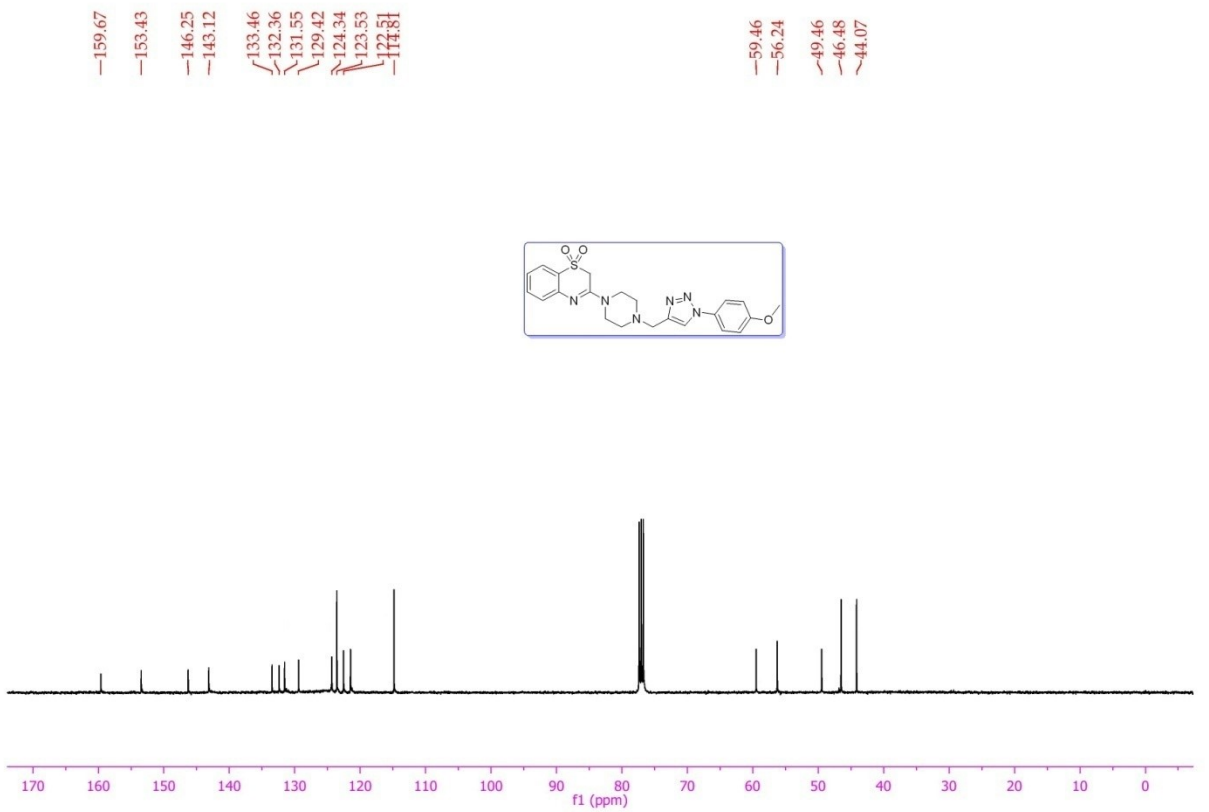
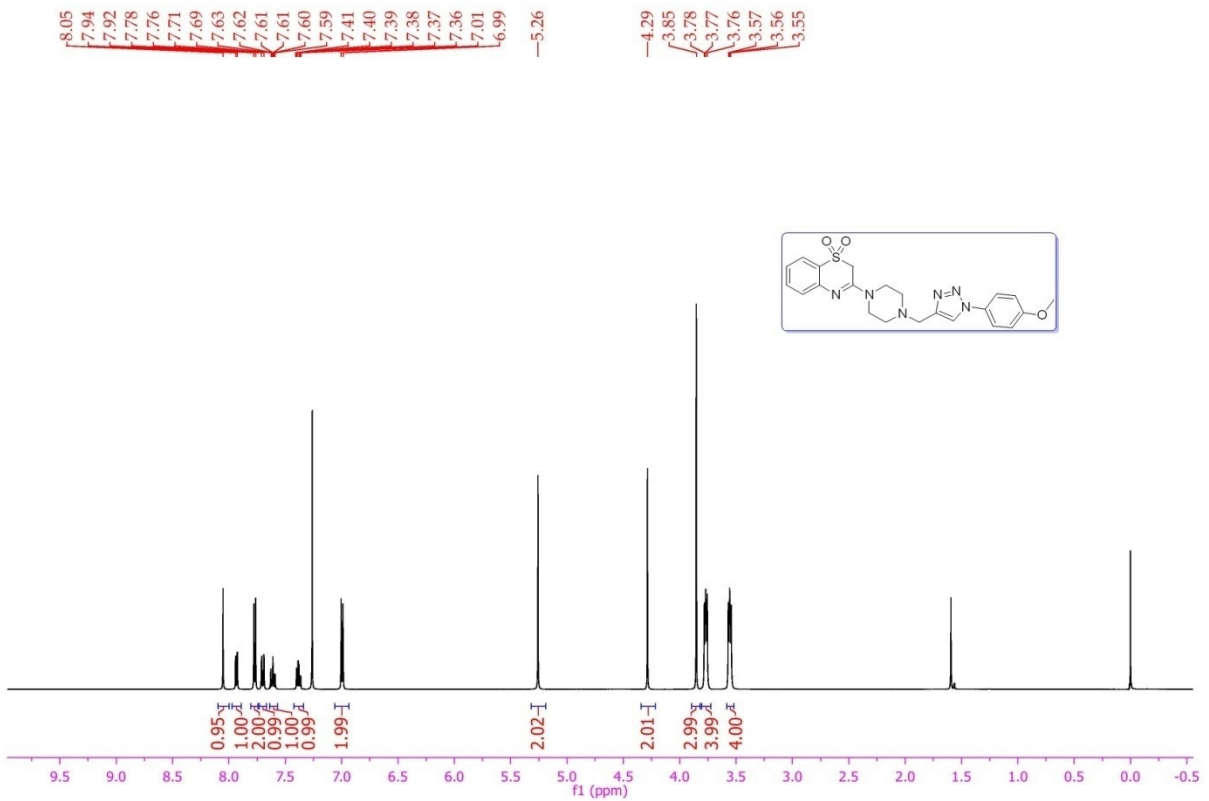
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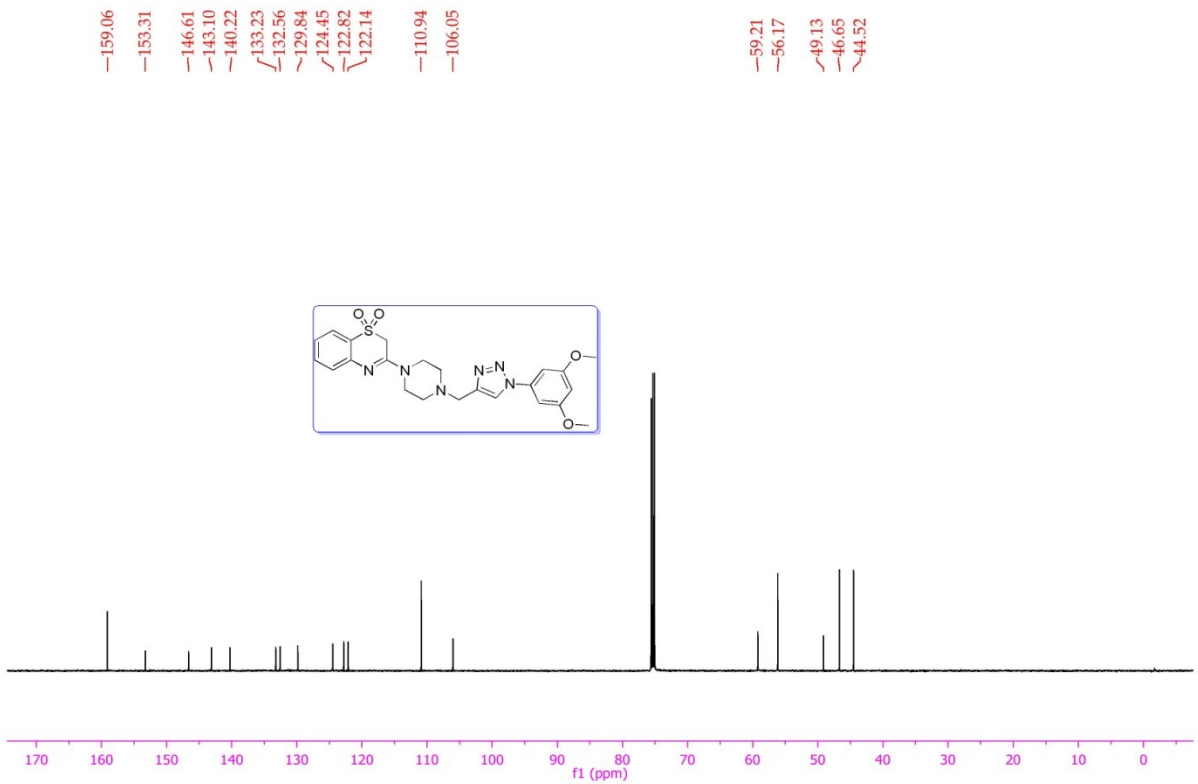
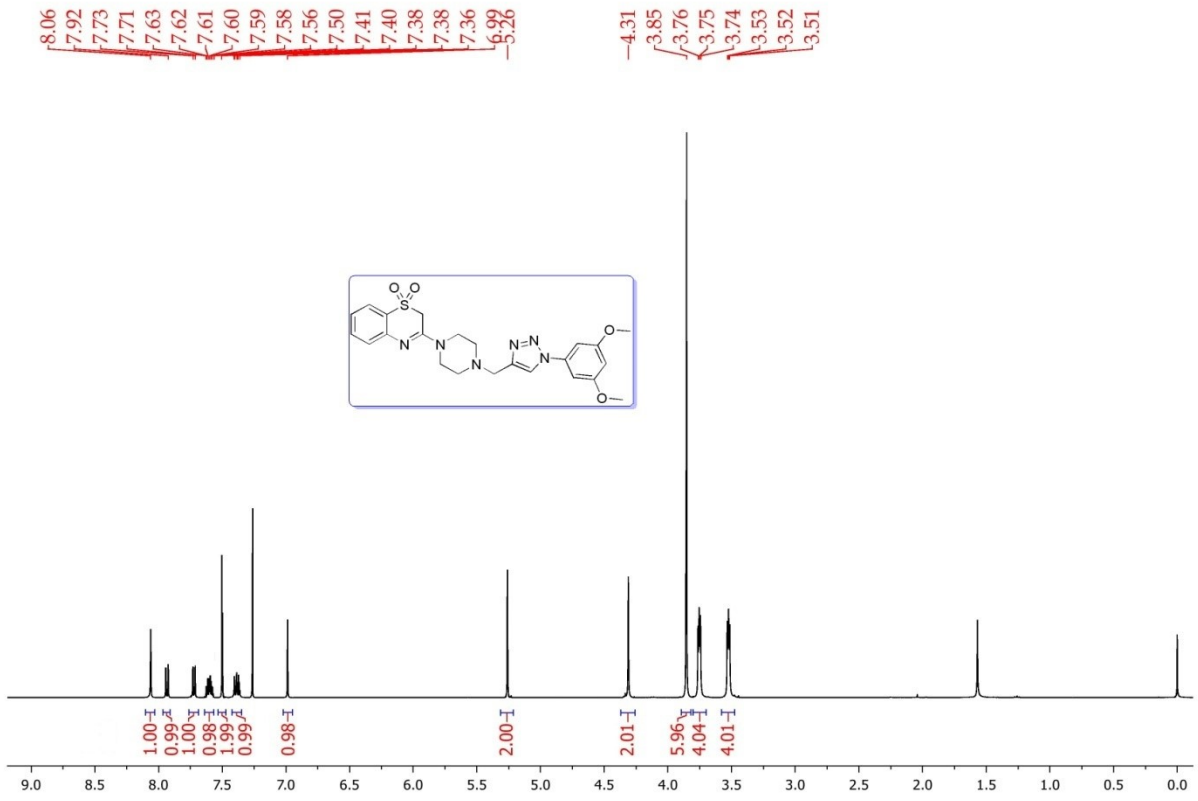
Docking figures
Copies of ¹H-NMR, ¹³C-NMR, Mass





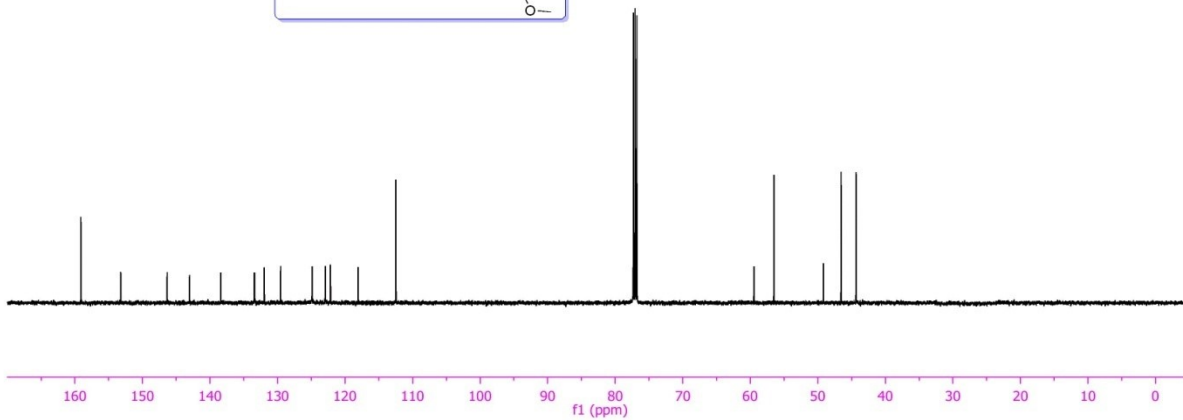
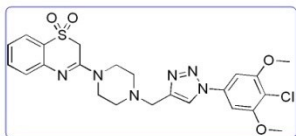






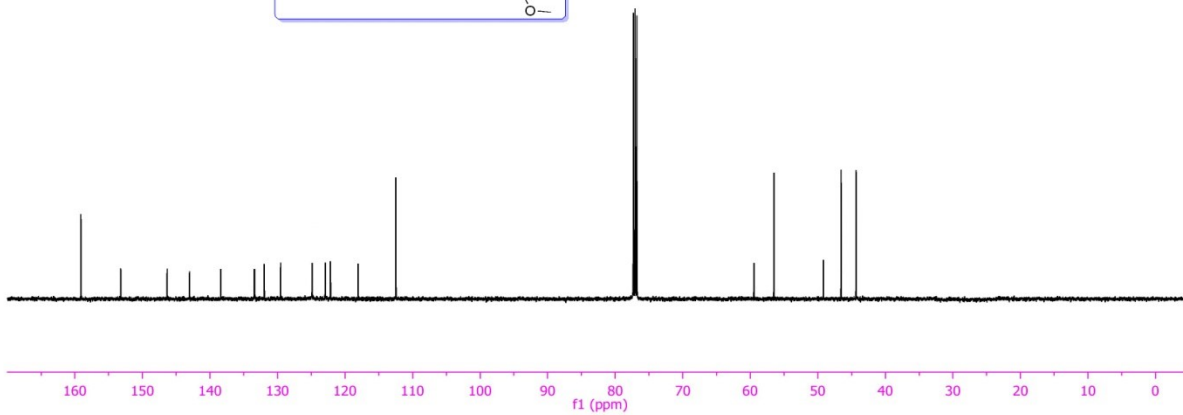
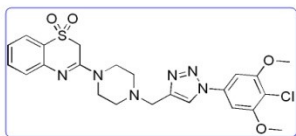
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143.02
138.39
133.50
132.03
129.53
124.87
122.87
122.18
118.02
112.45

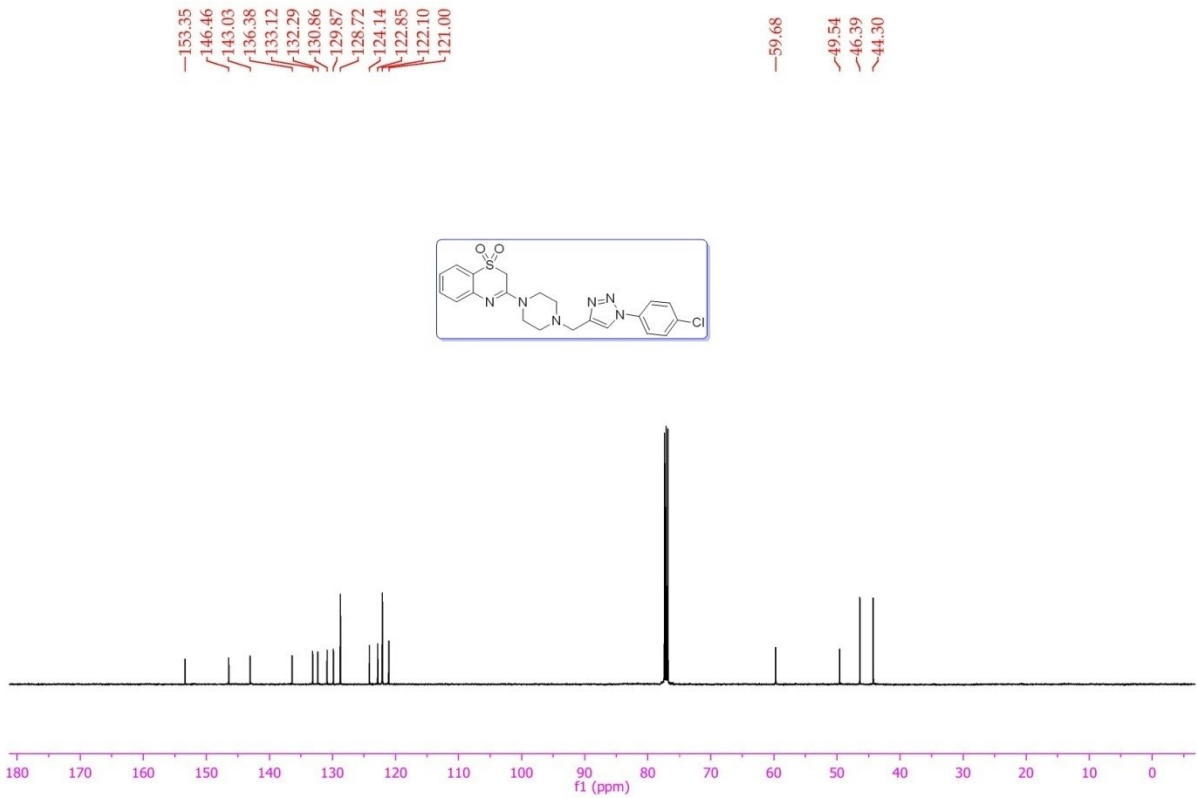
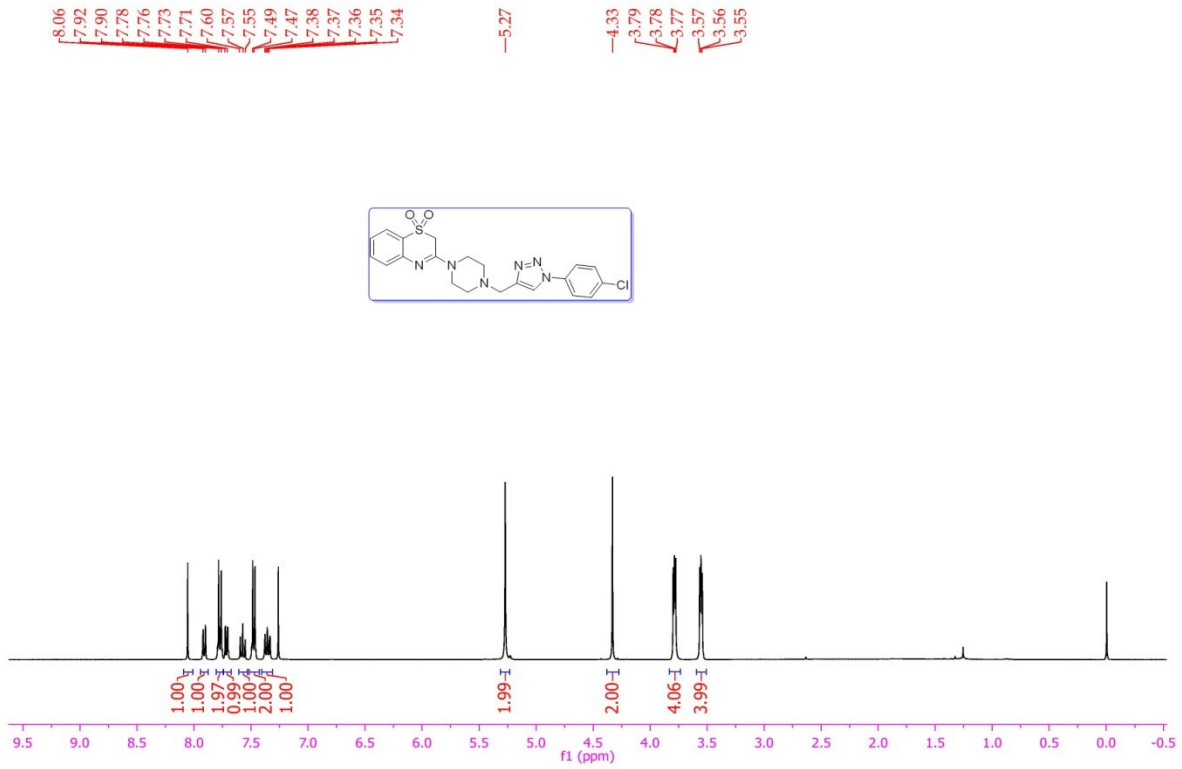
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56.49
49.15
46.58
44.36

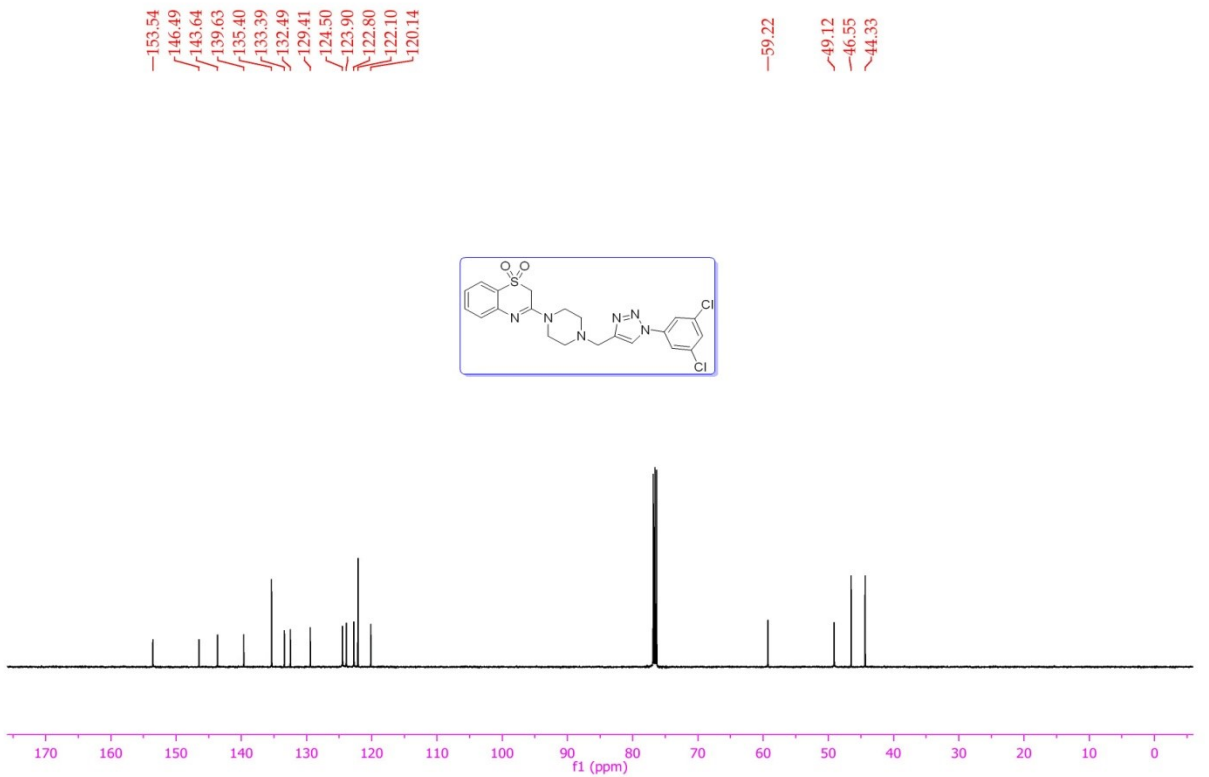
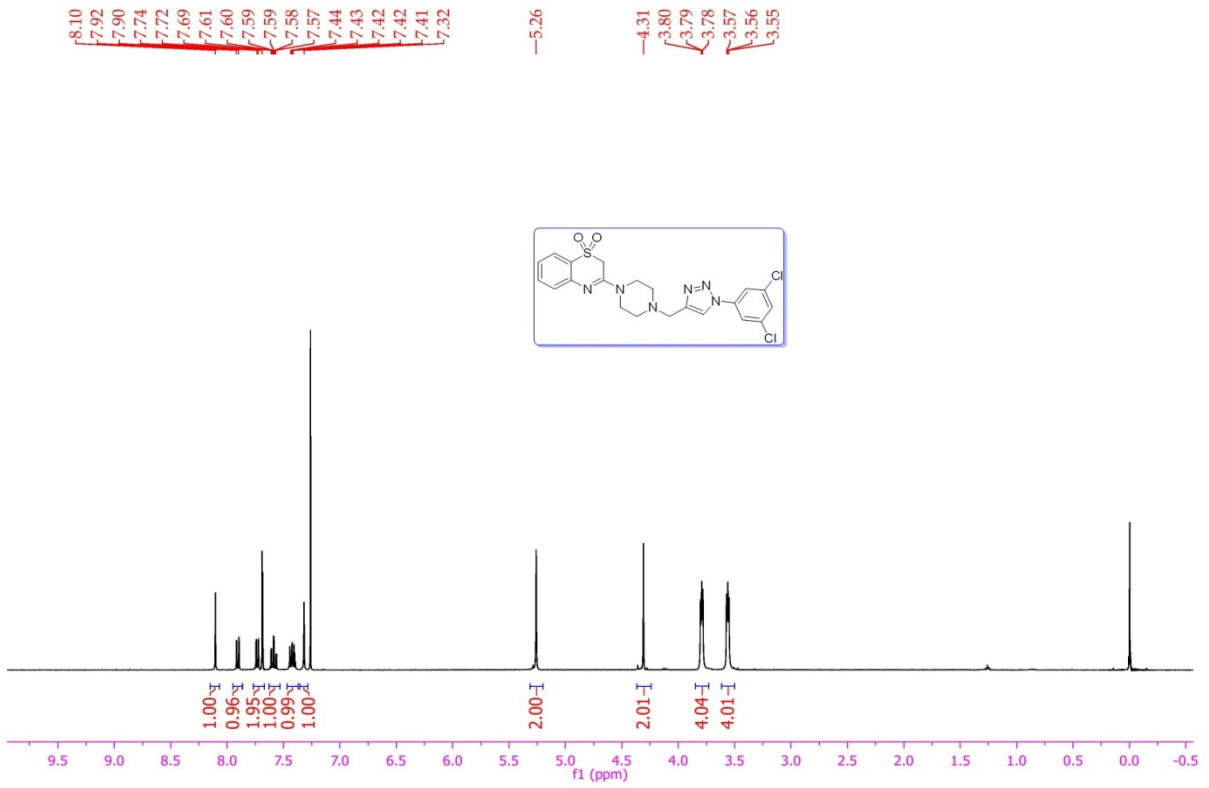


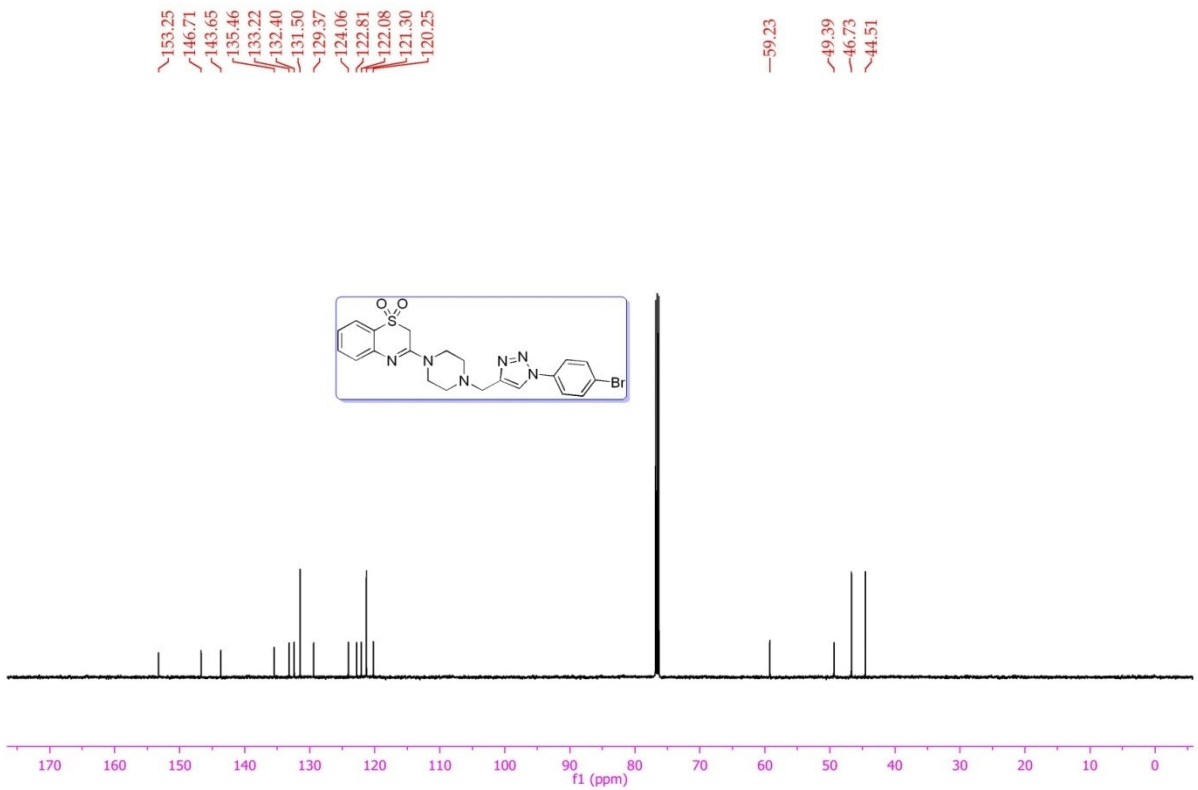
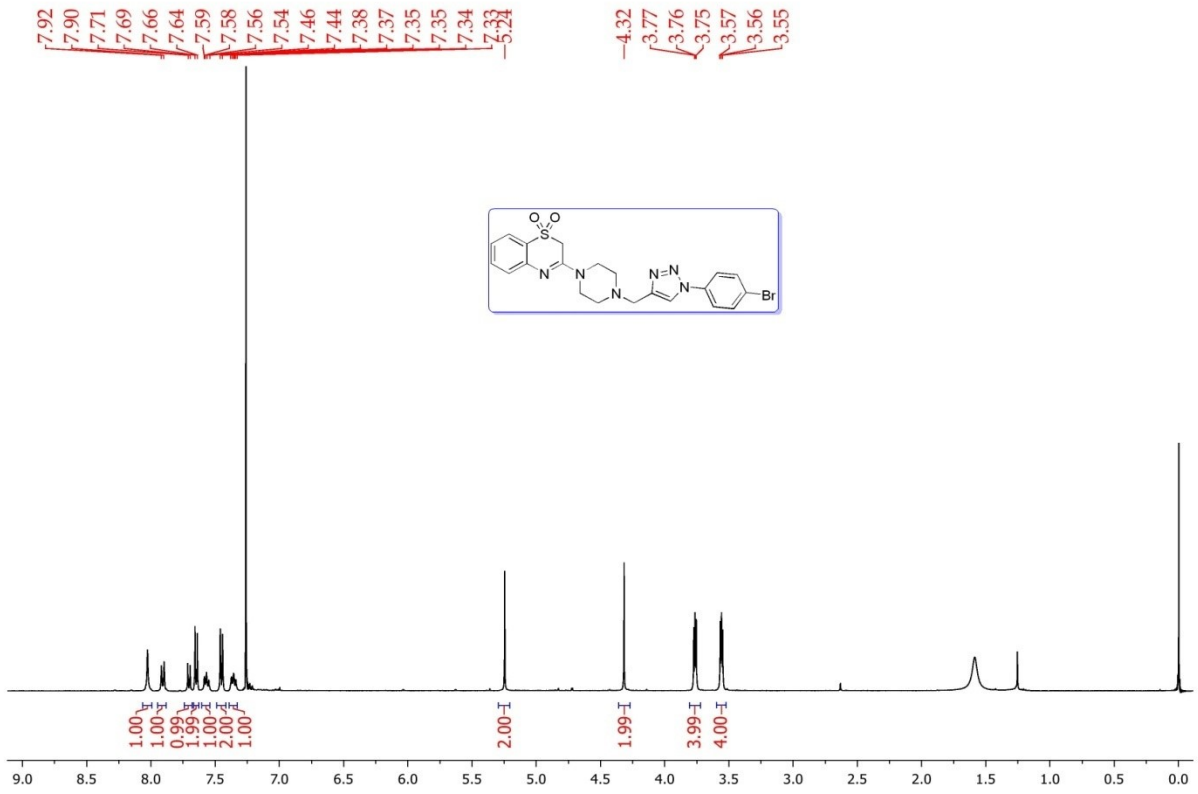
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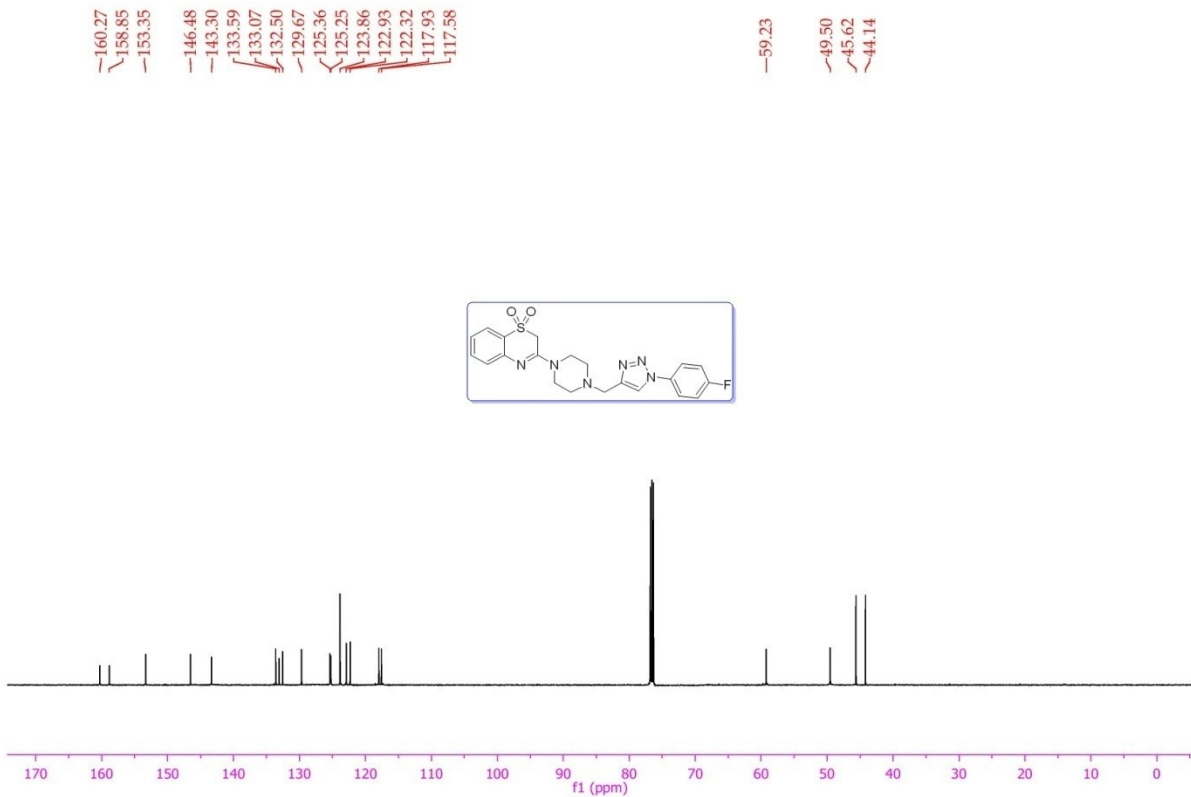
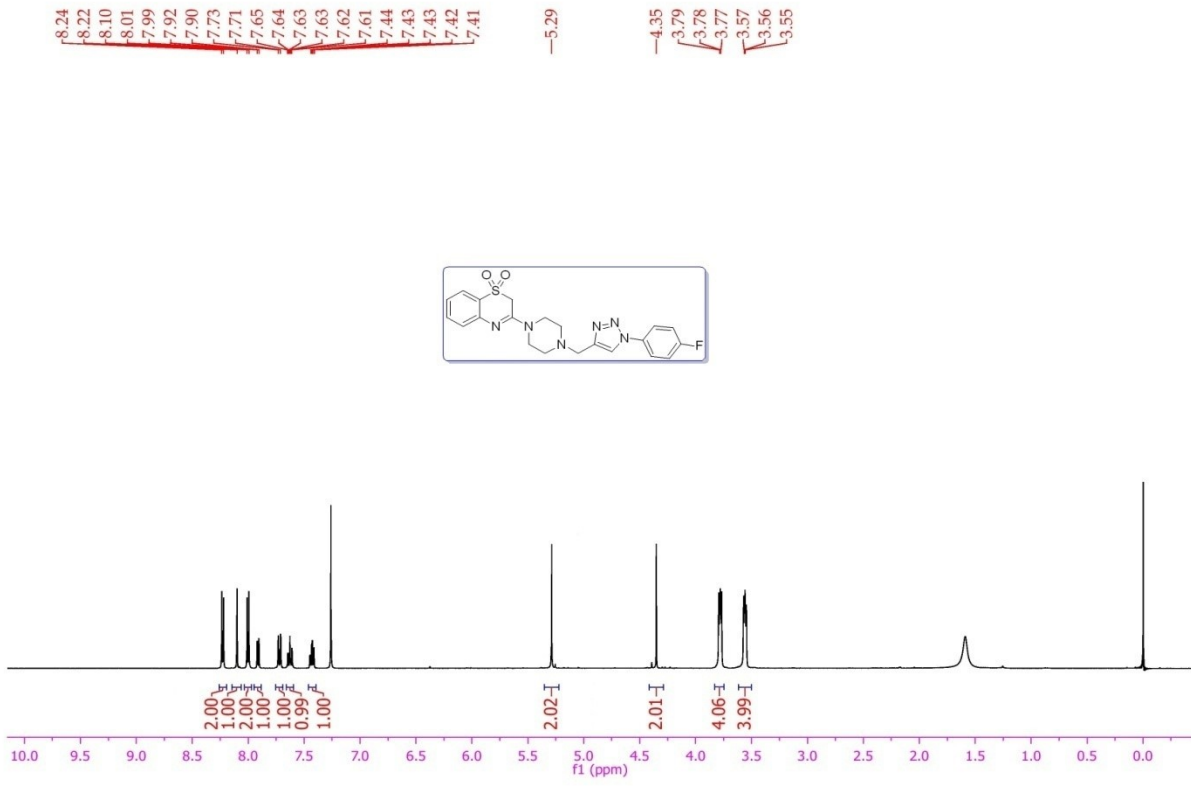
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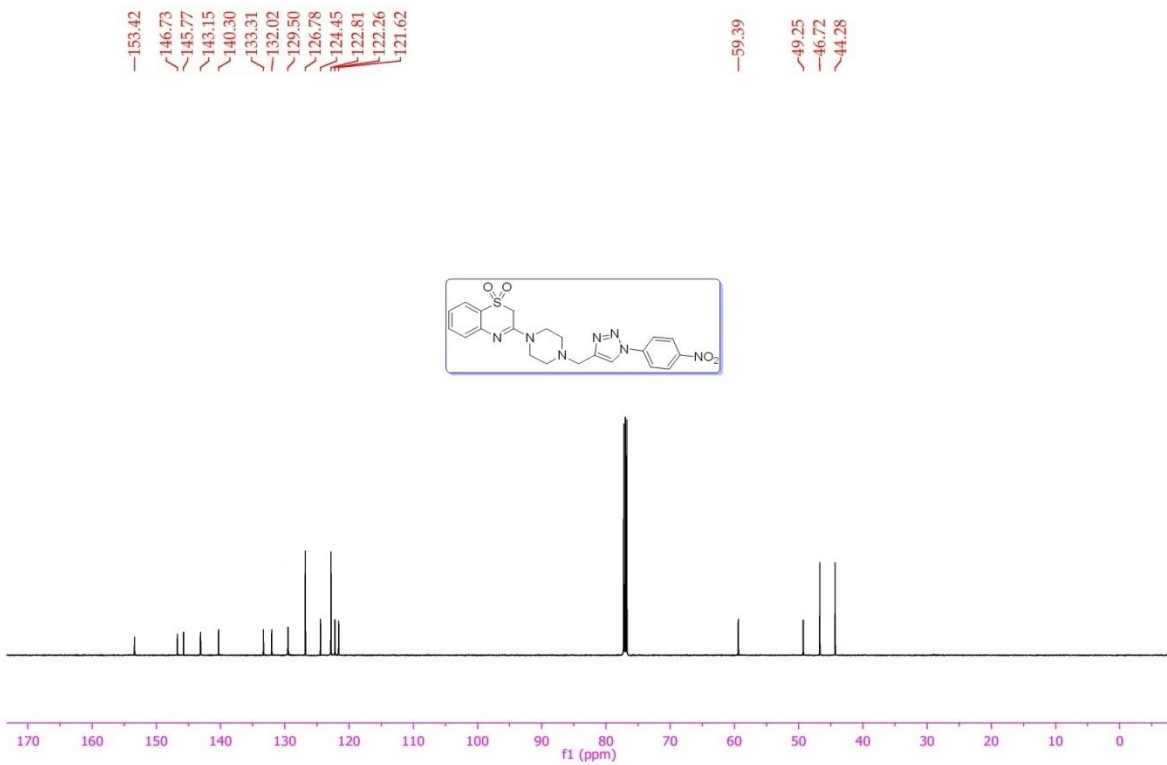
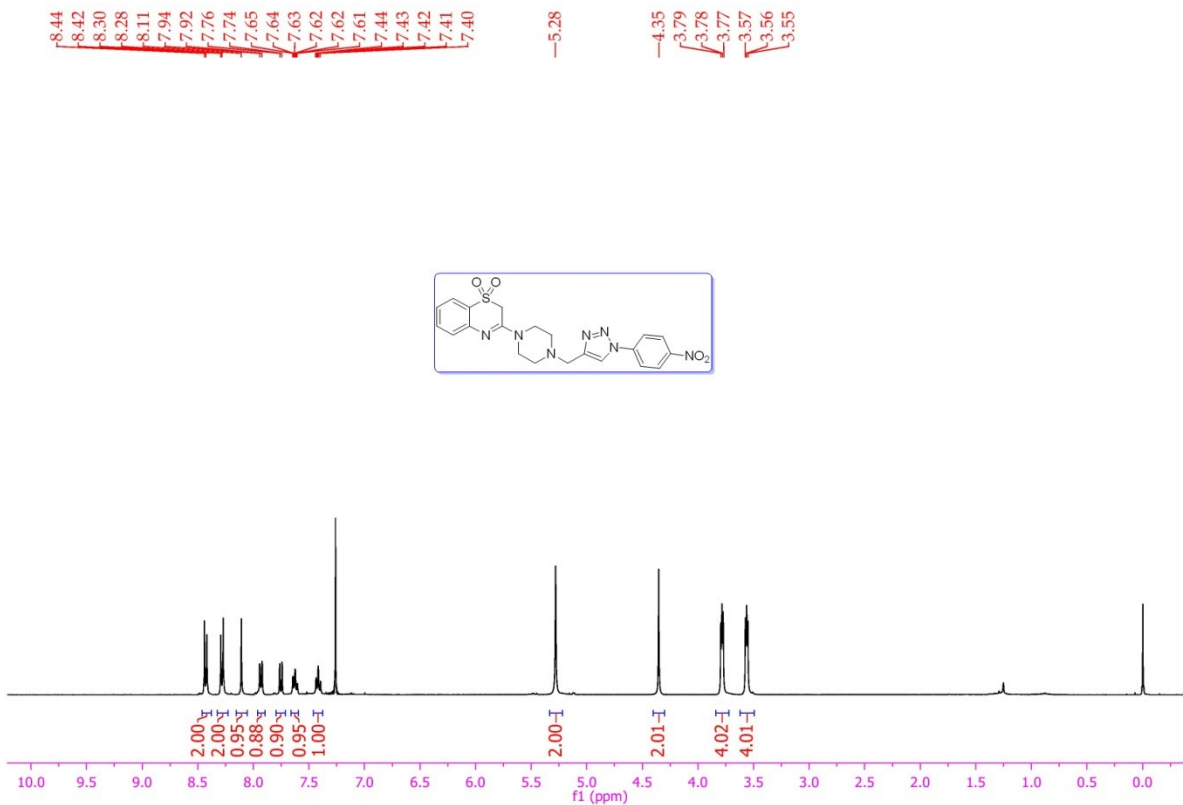


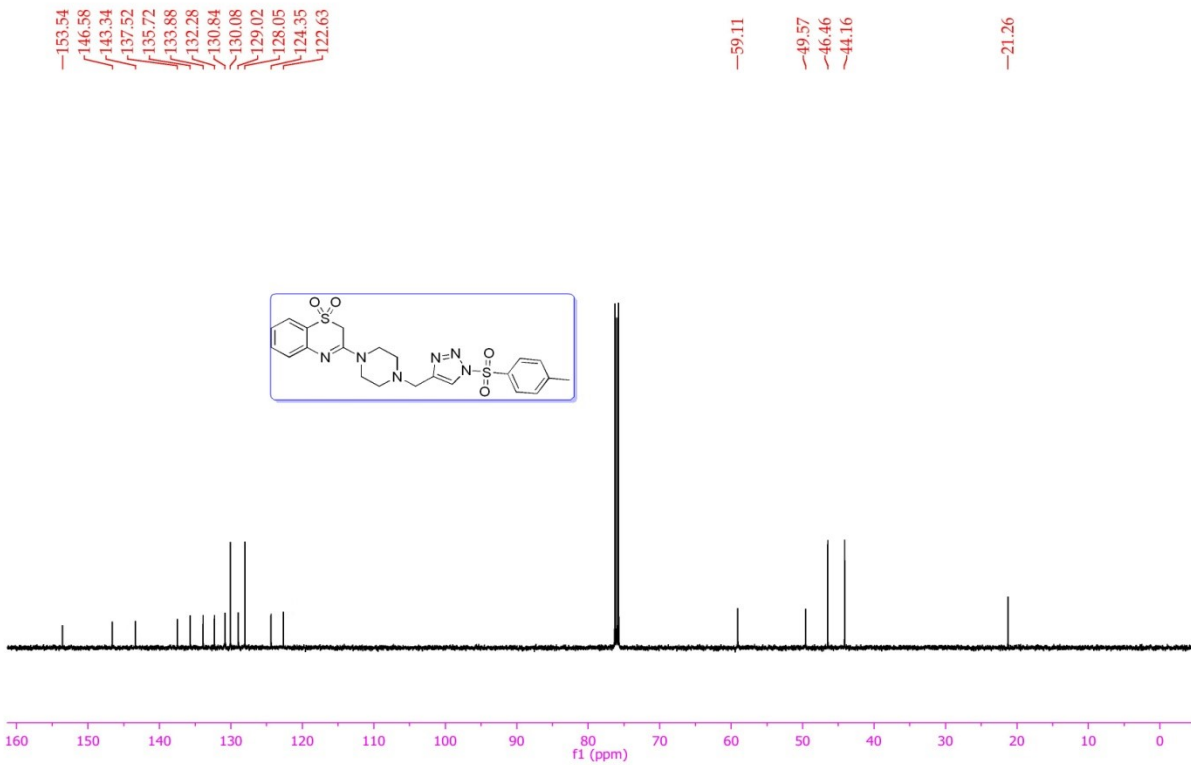
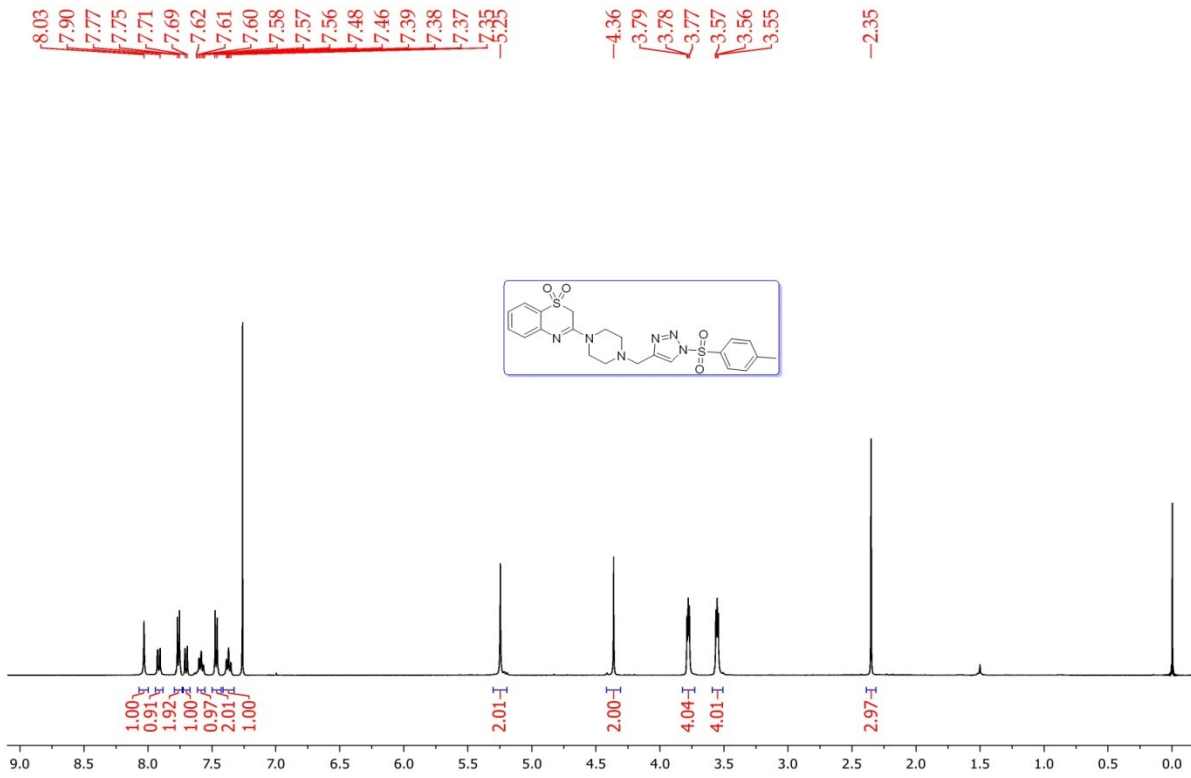


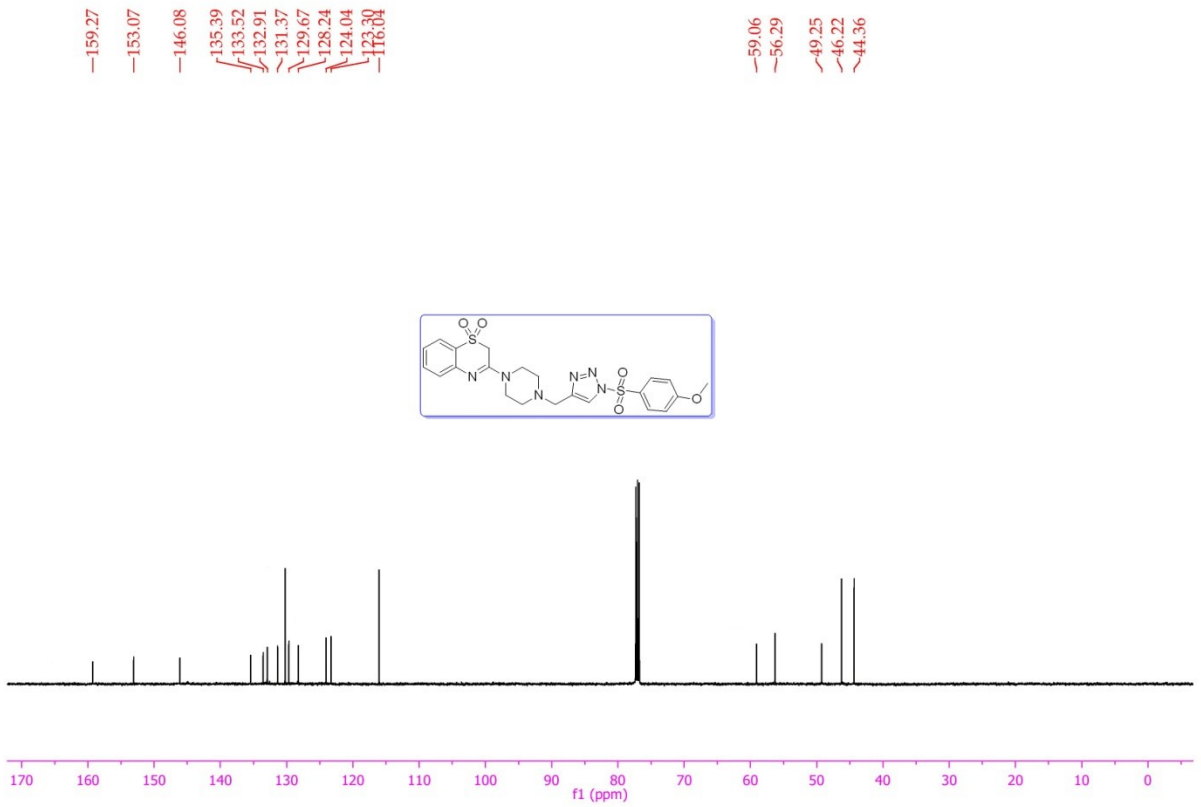
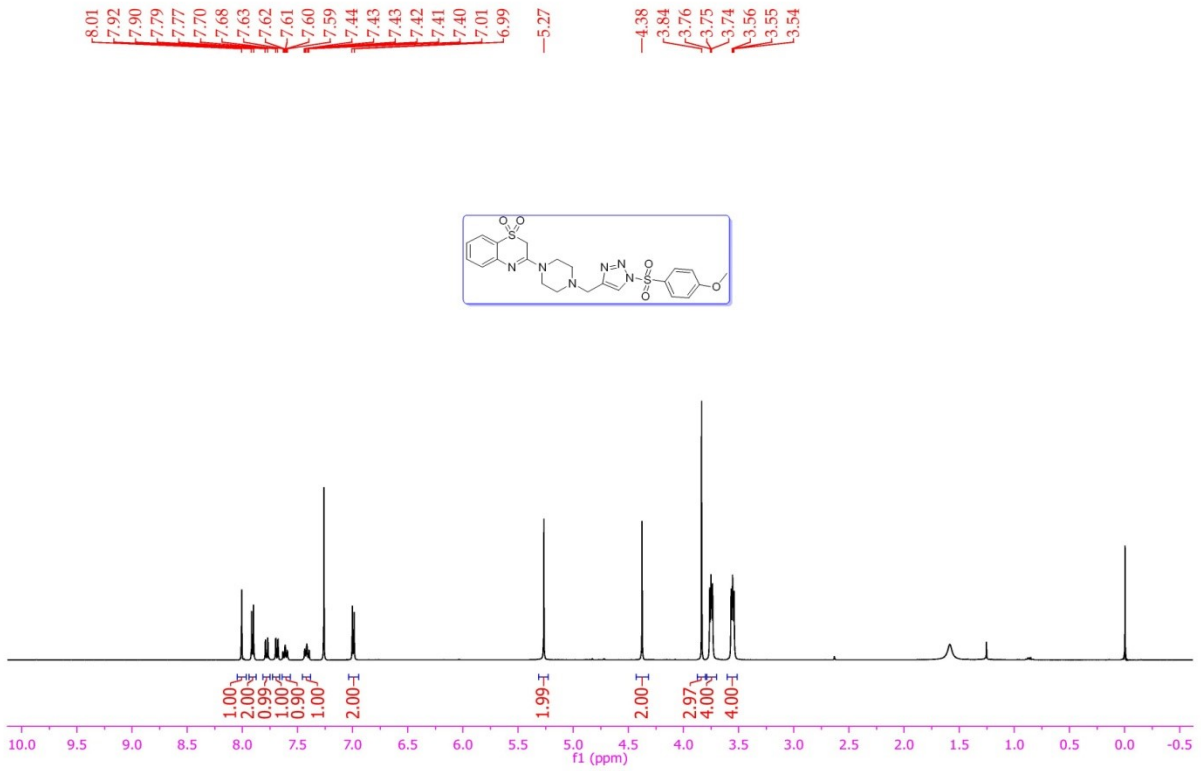


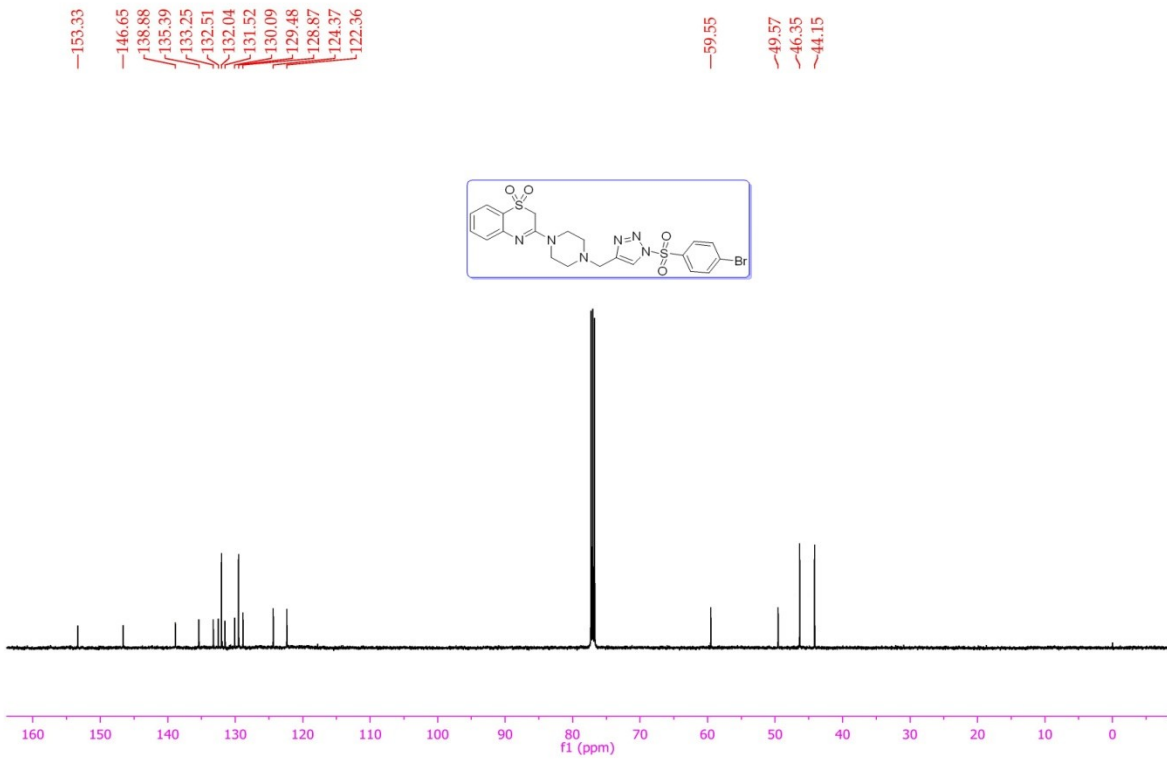
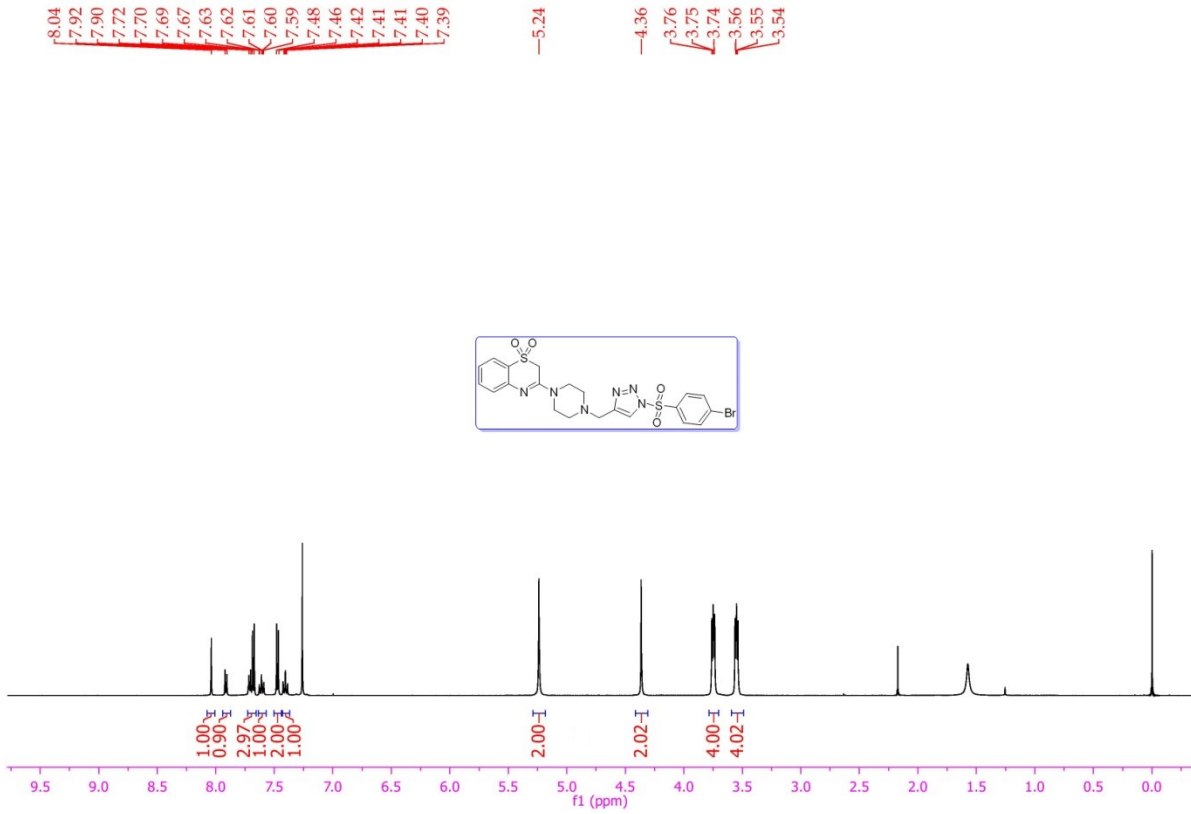


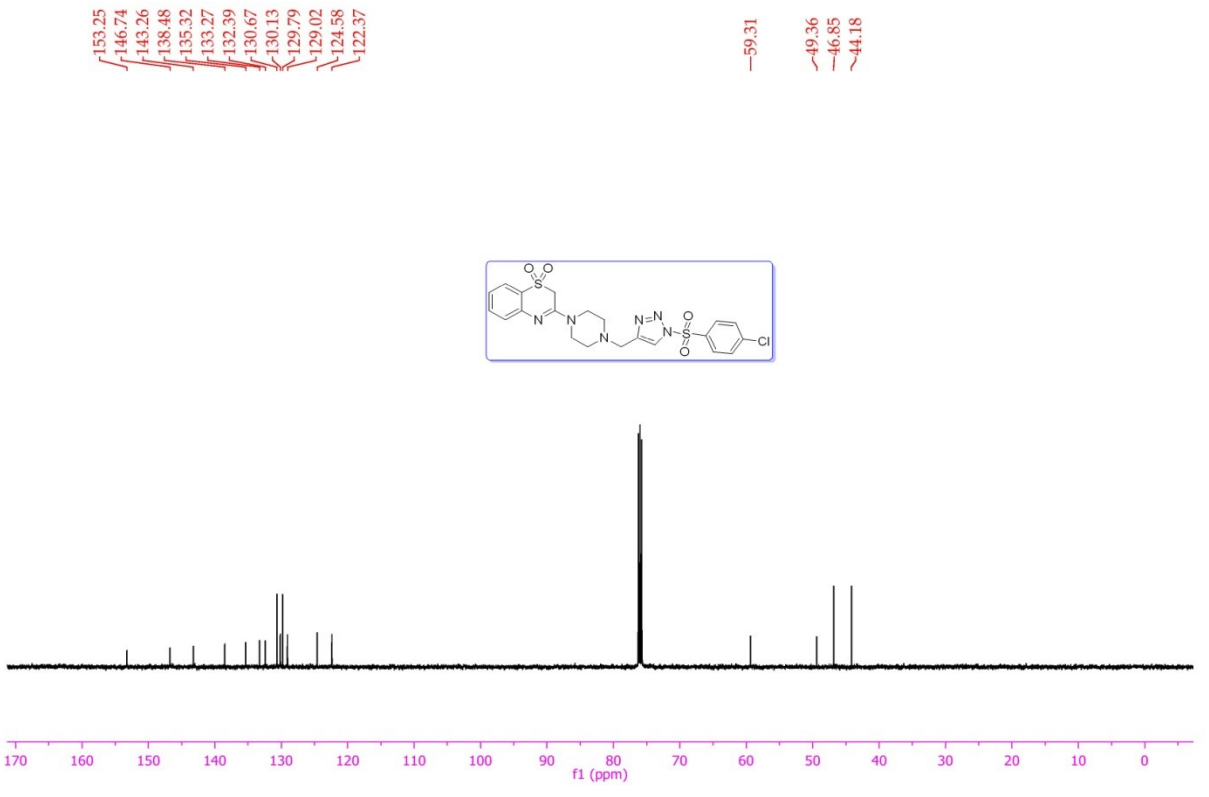
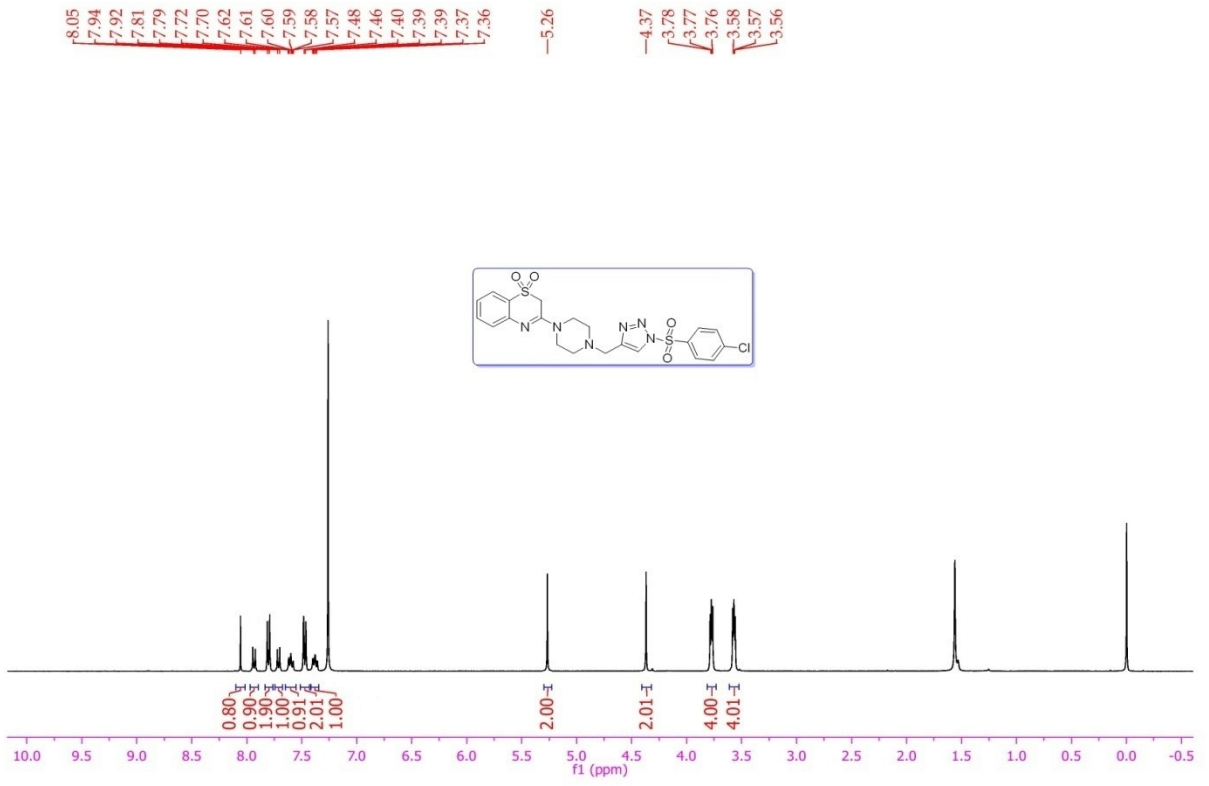


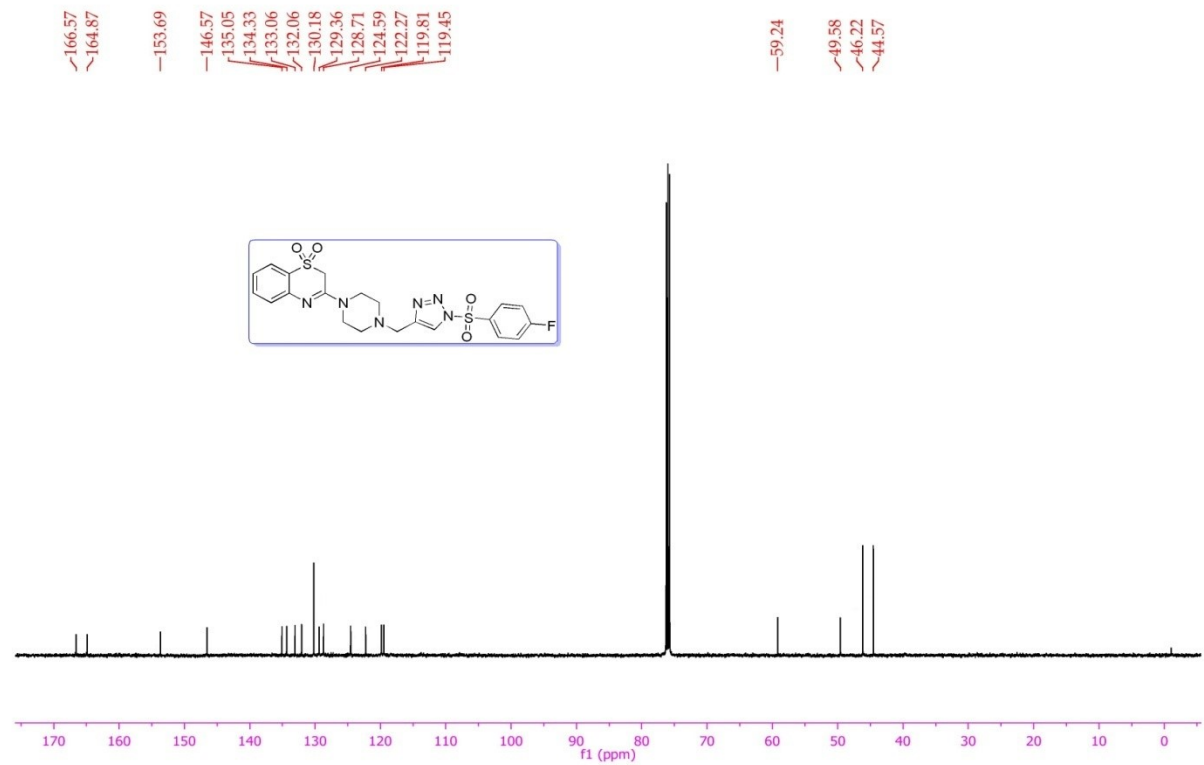
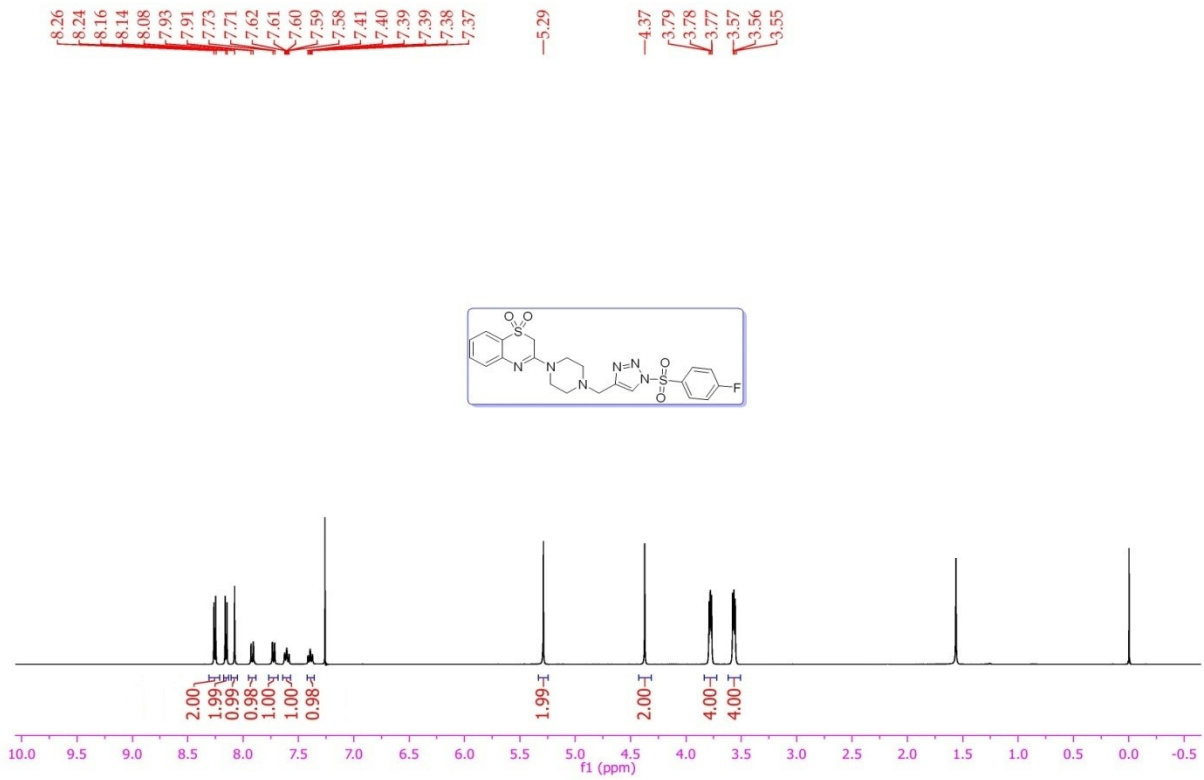


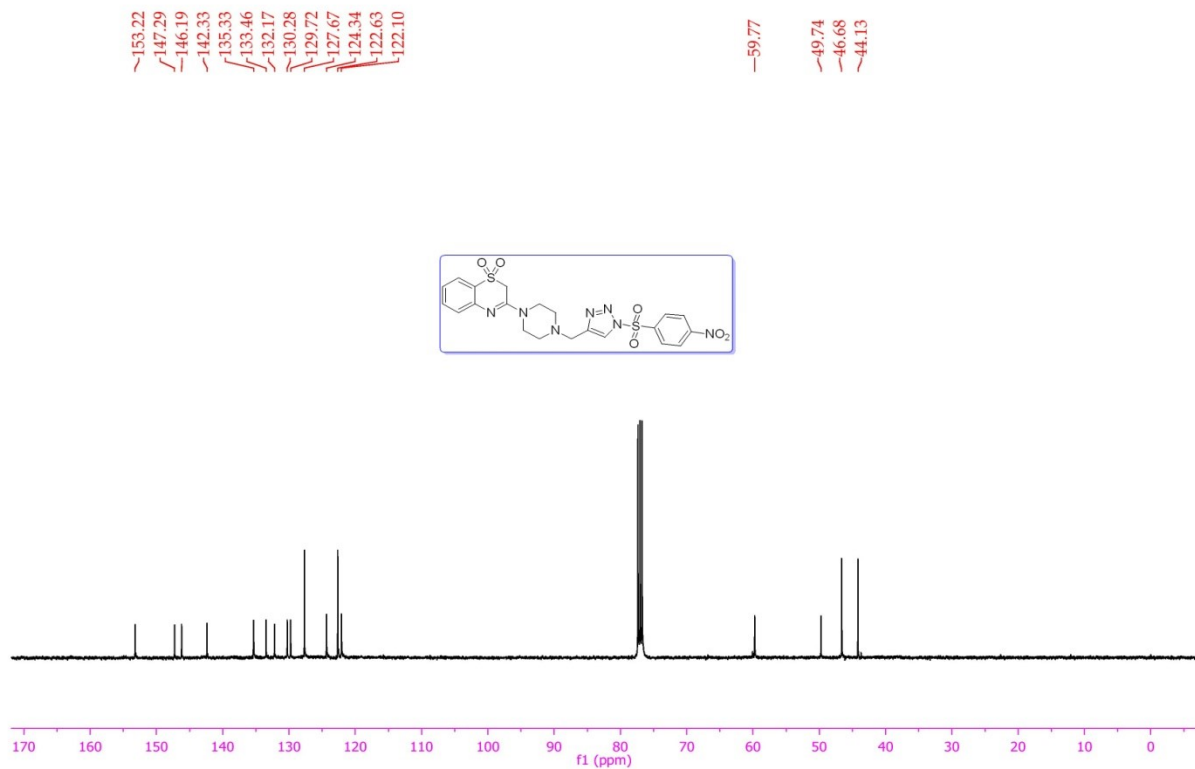
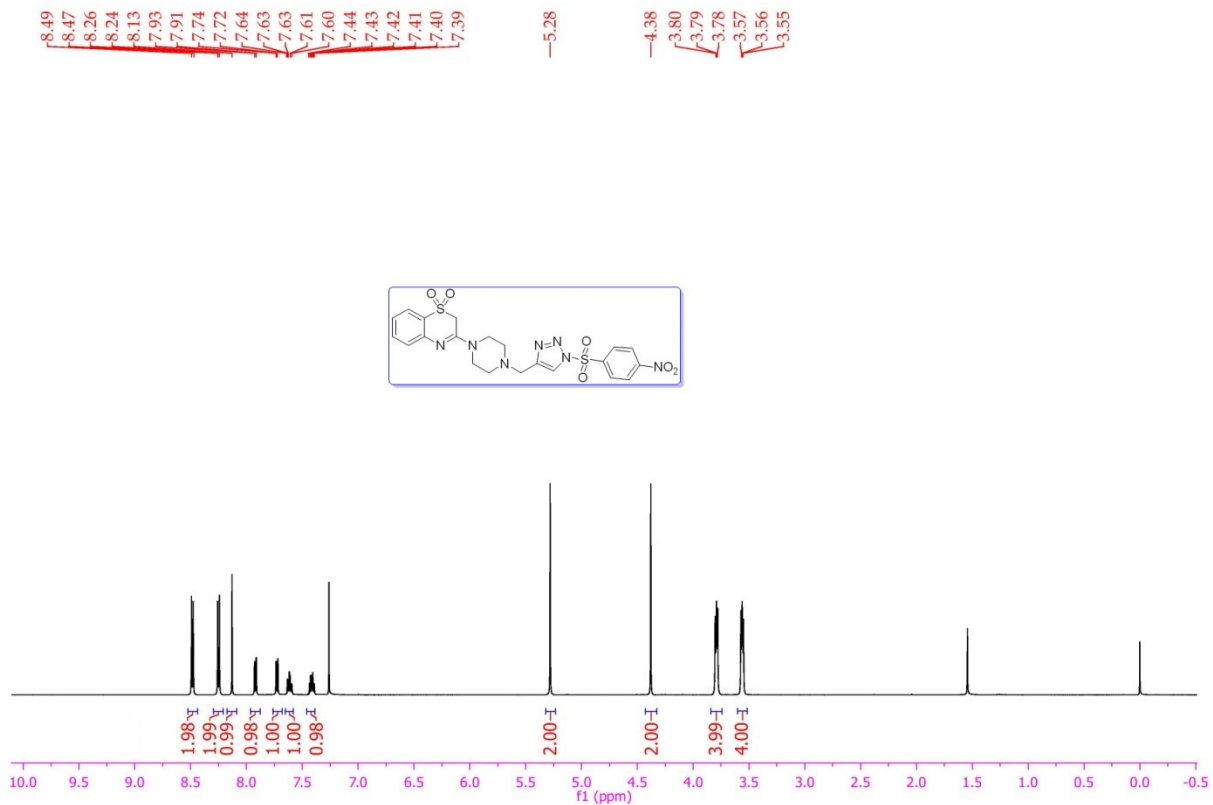


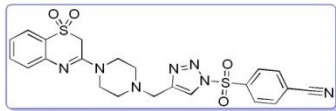
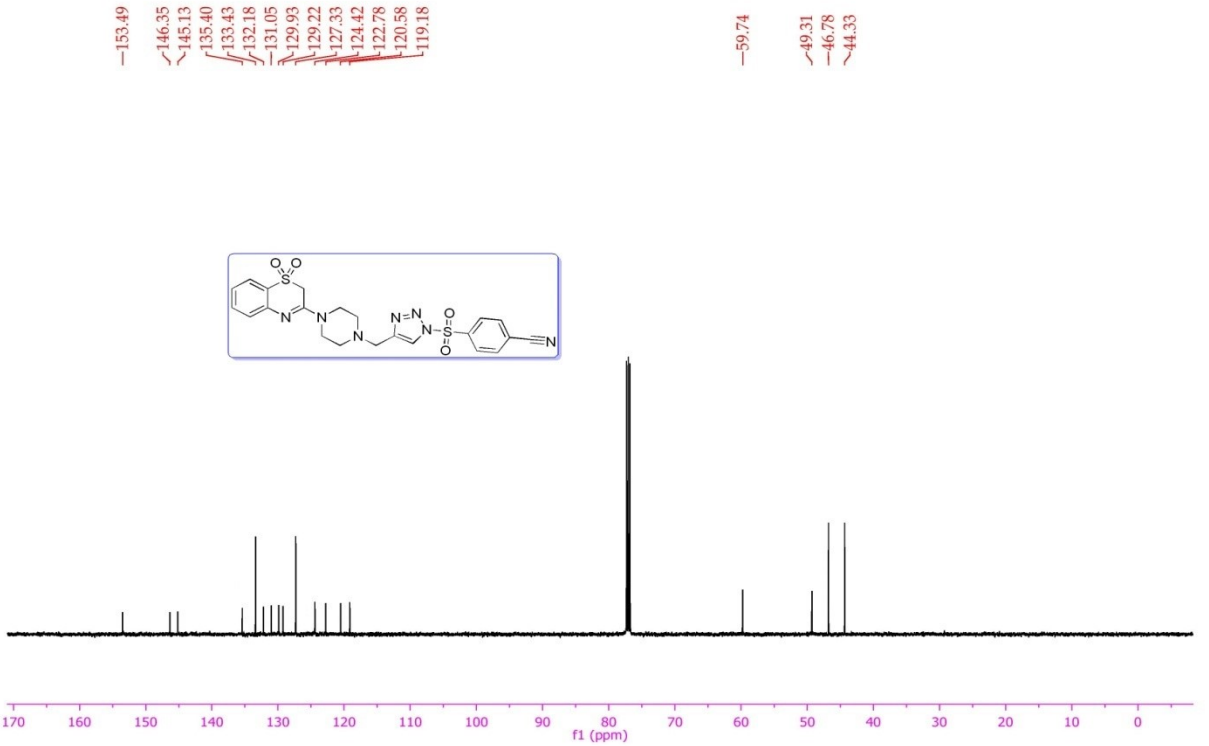
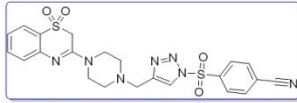
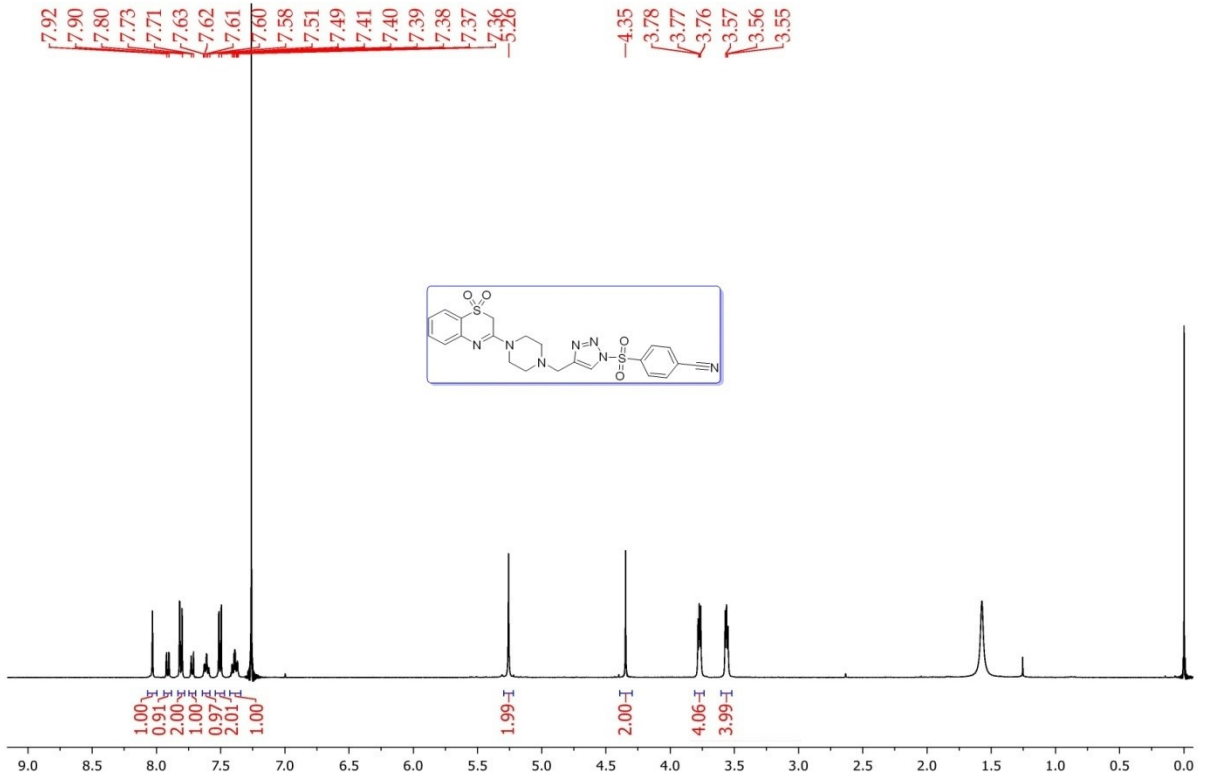


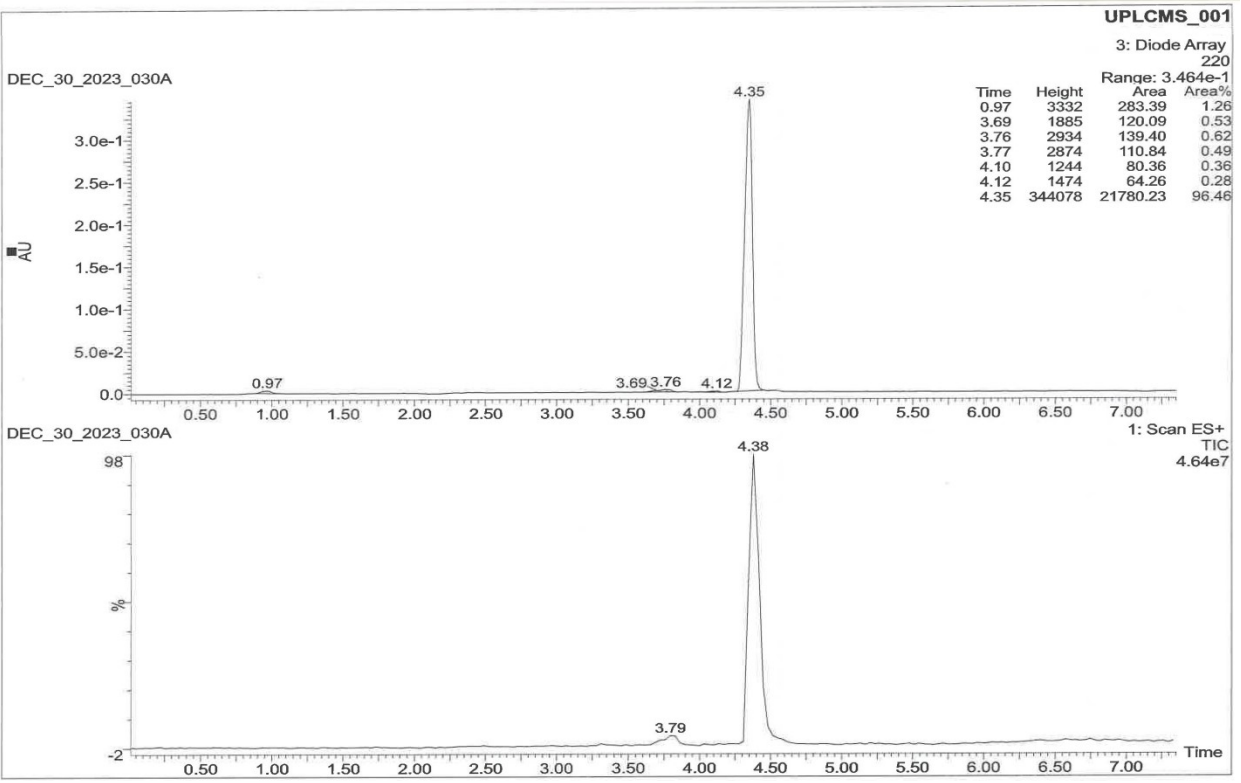
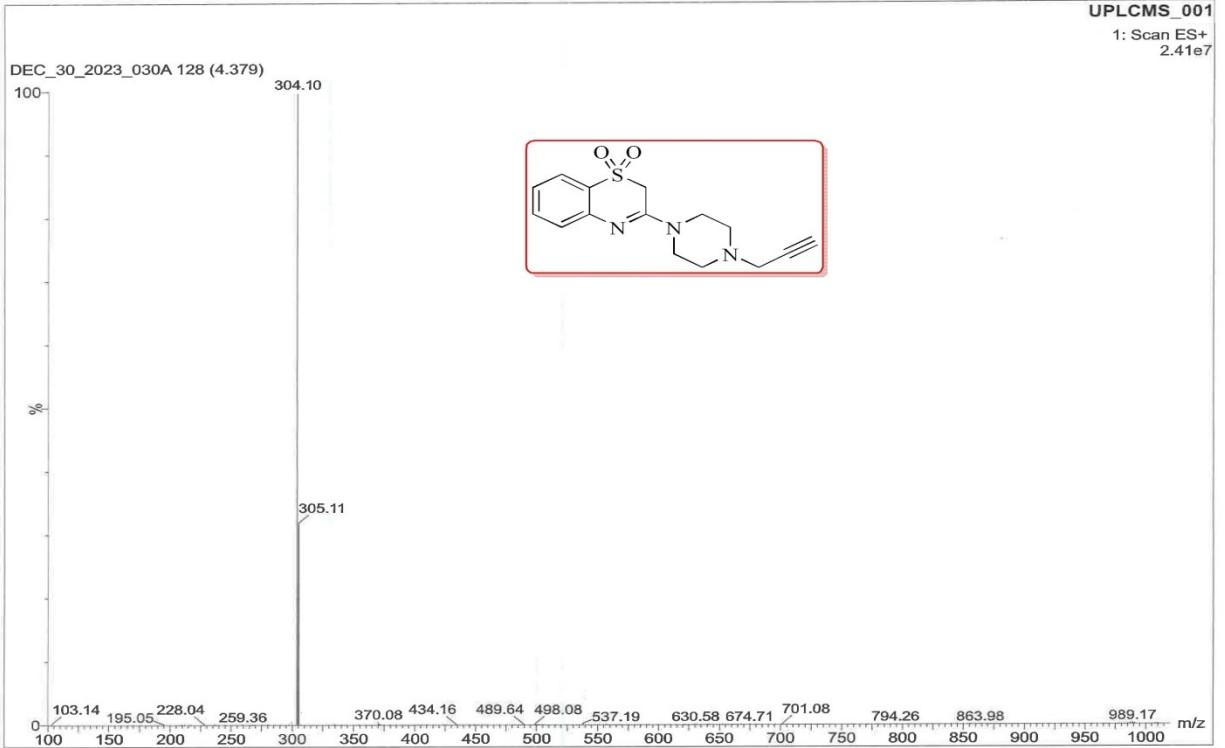








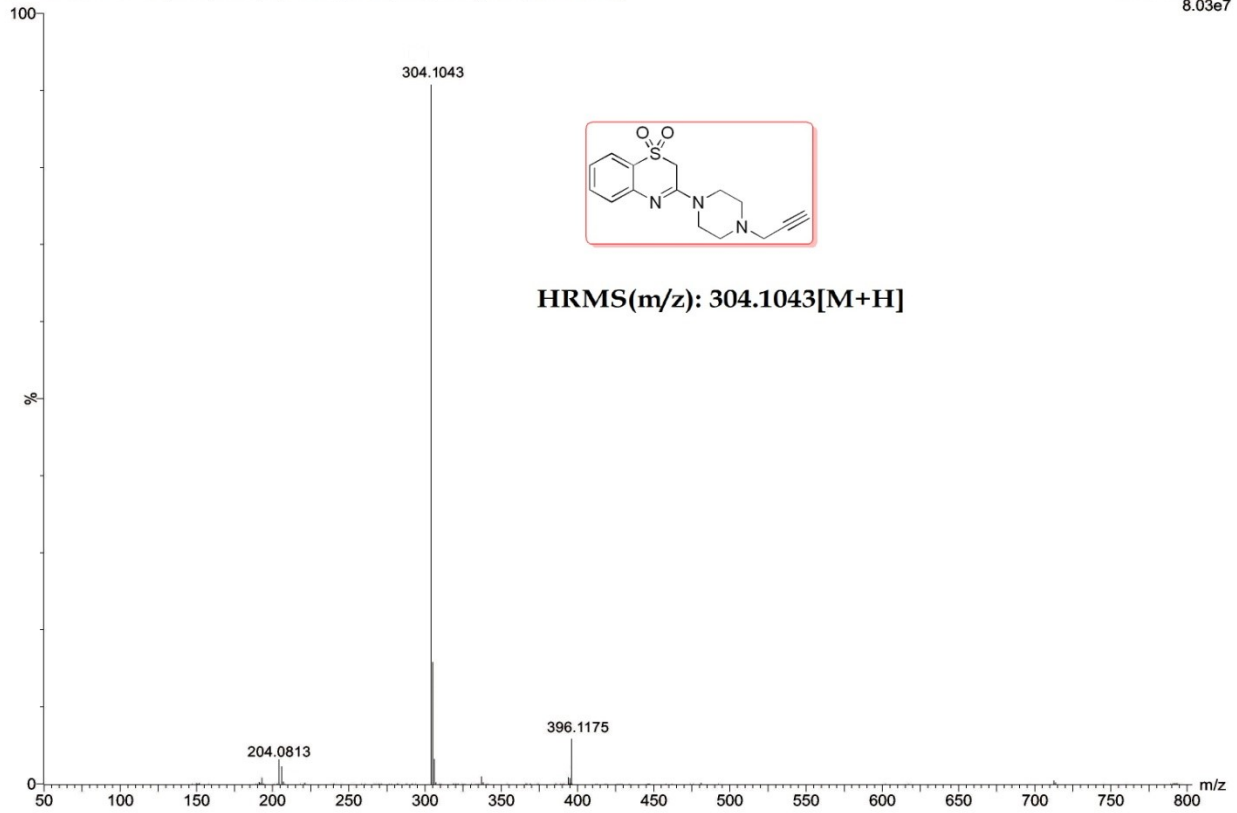




LCMS of compound 4

30122023_06 +VE 16 (0.174) AM2 (Ar,22000.0,556.28,0.00,LS 10); Cm (16:22-79:126)

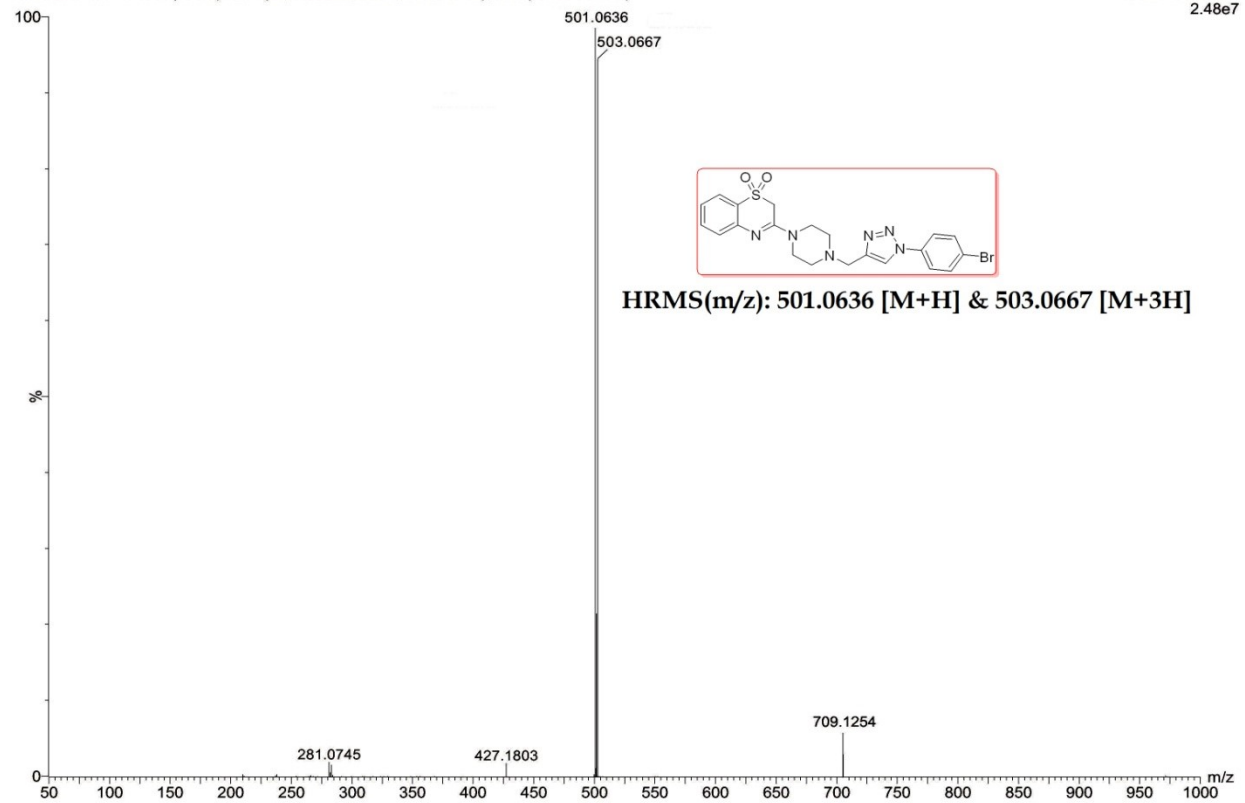
1: TOF MS ES+
8.03e7



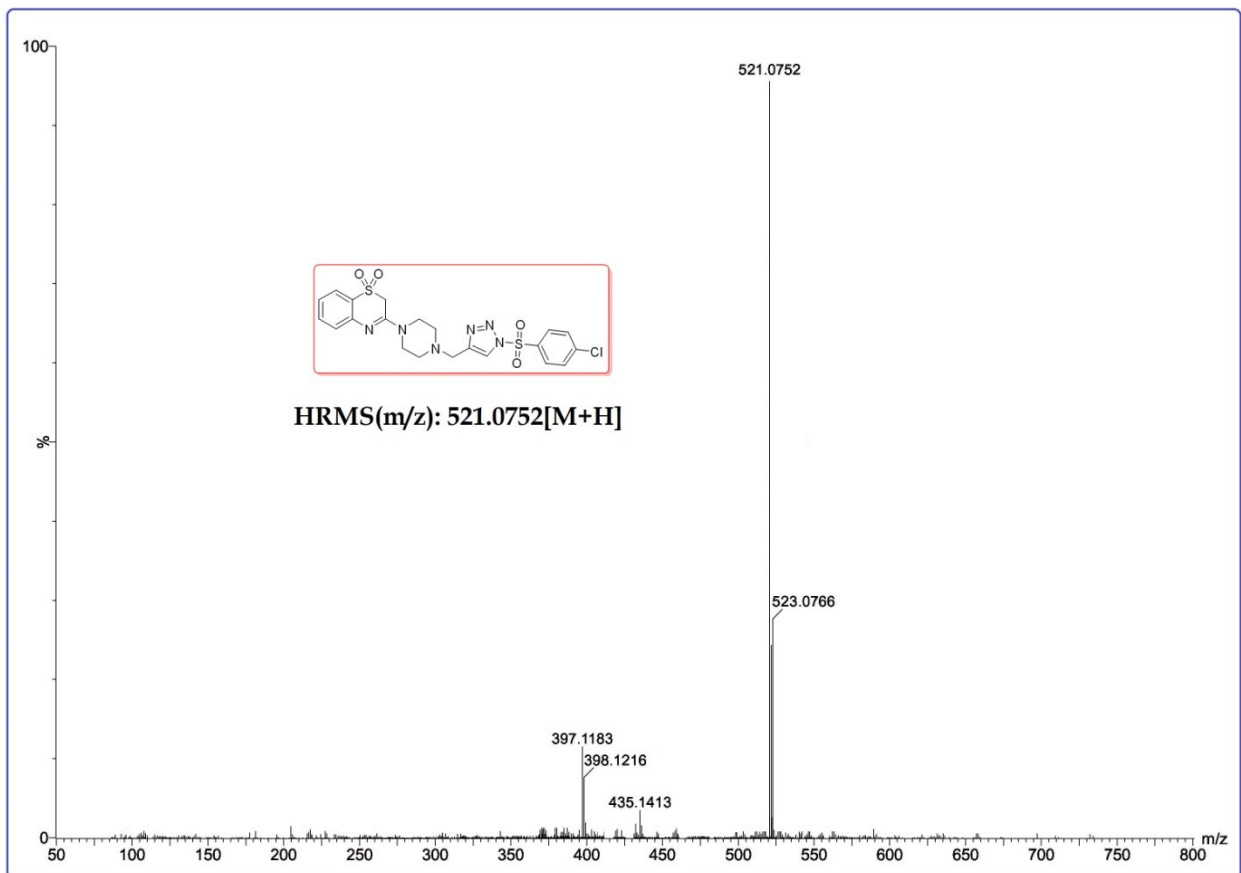
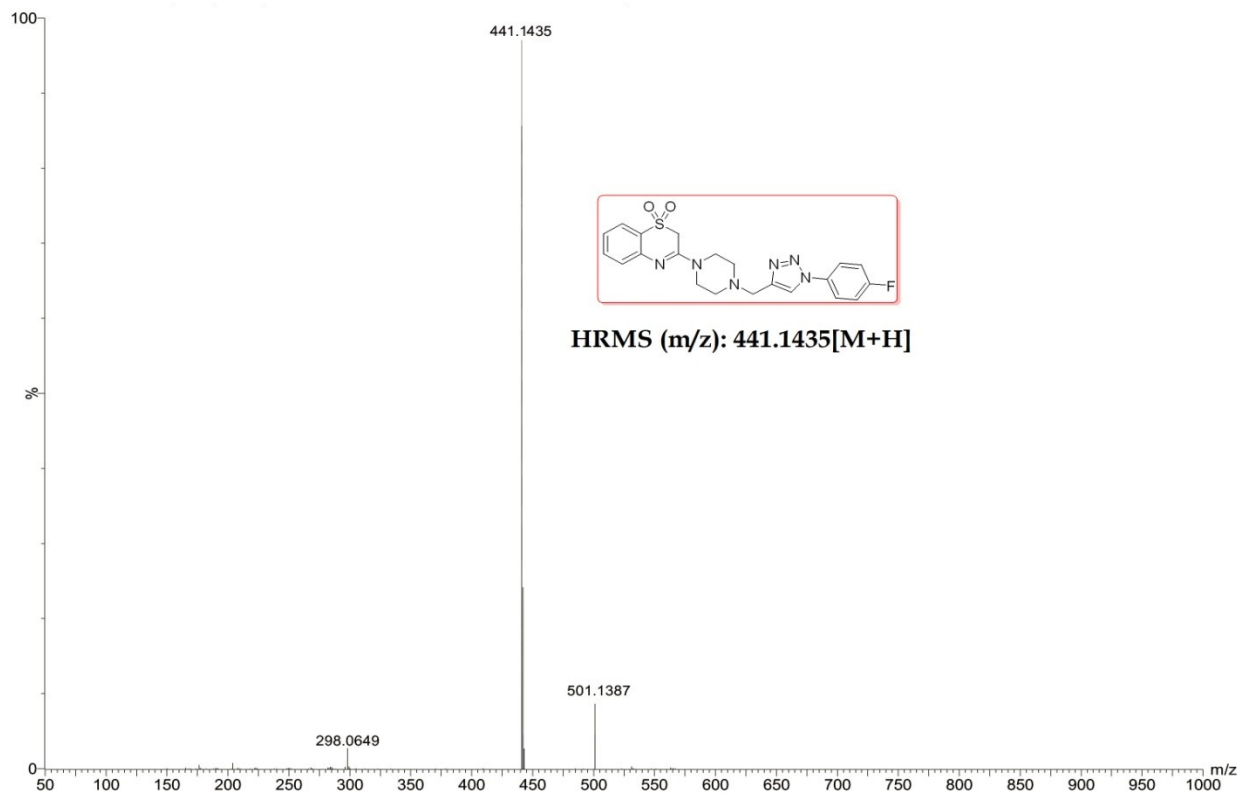
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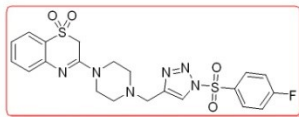
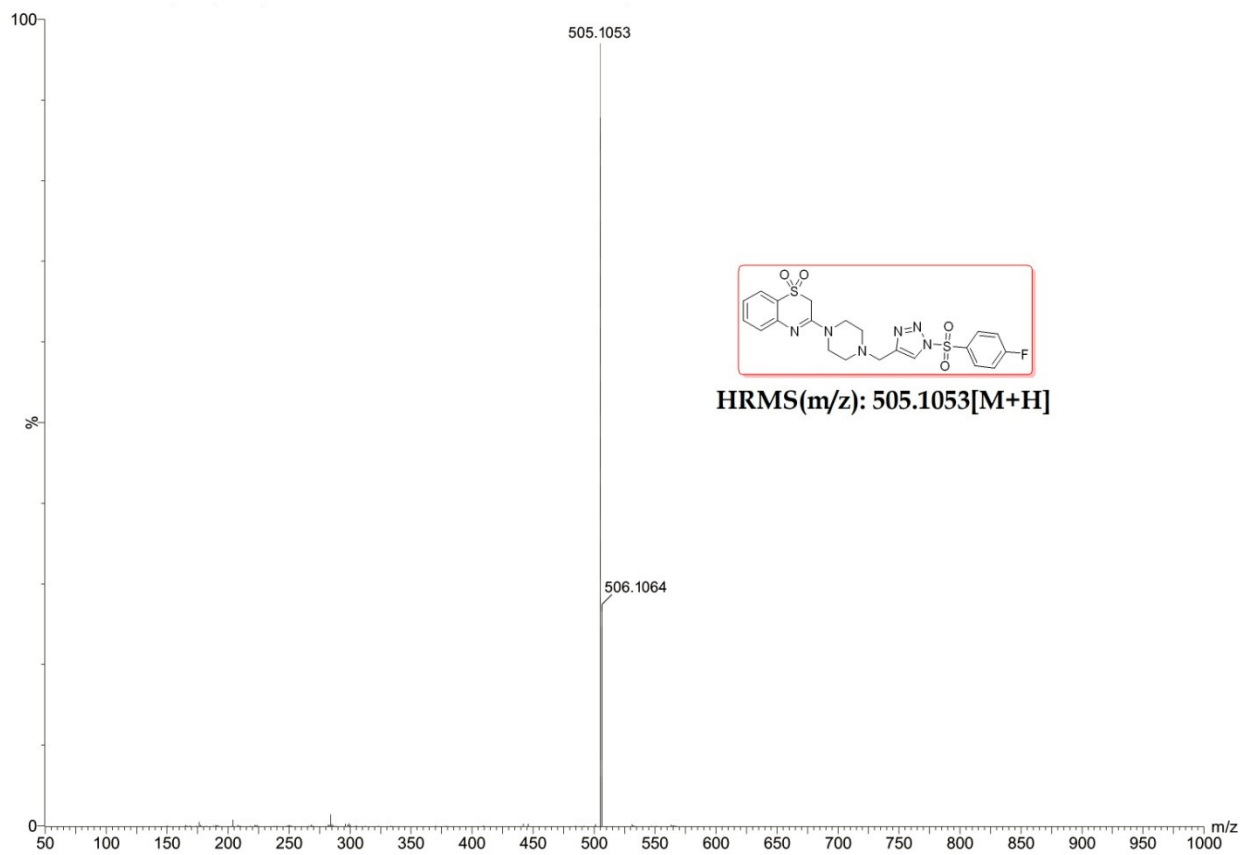
30122023_09 +VE 28 (0.286) AM2 (Ar,22000.0,556.28,0.00,LS 10); Cm (28:36-79:126)

1: TOF MS ES+
2.48e7



HRMS(m/z): 501.0636 [M+H] & 503.0667 [M+3H]





HRMS(m/z): 505.1053[M+H]