## Supplementary Information

**Synthesis of new analogs of 3-methyl-[1,2,4] triazolo [3,4-*a*] phthalazines *via* suzuki coupling and evaluation of their anticancer and antimicrobial activity**

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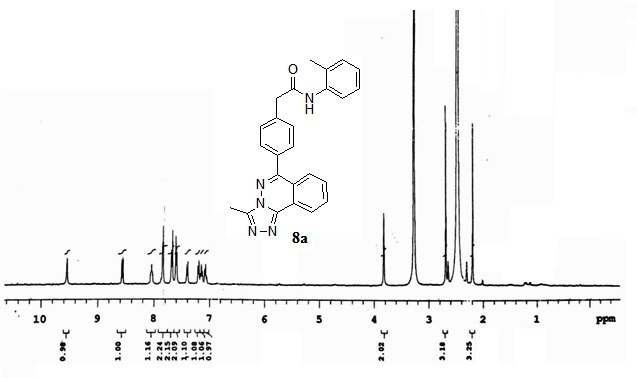
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*bDepartment of Chemistry Kakatiya Government College, Warangal-506001, Telangana, India.*

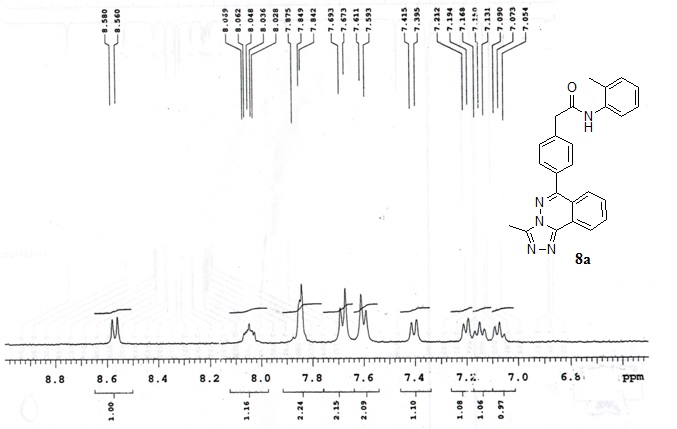
*cDepartment of Botany & Microbiology, Acharya Nagarjuna University, Nagarjuna Nagar-522510, Guntur, Andhra Pradesh, India*

**Spectra of synthesized compounds**

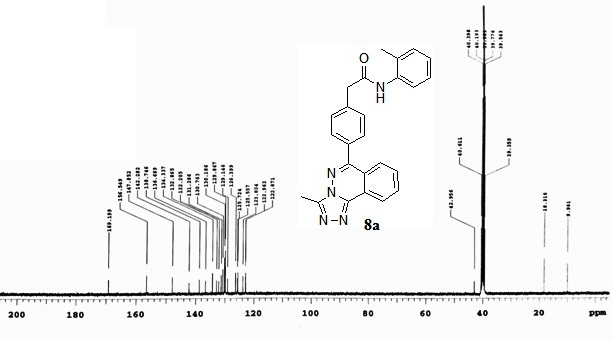
**1H NMR Spectra of Compound- 8a:**



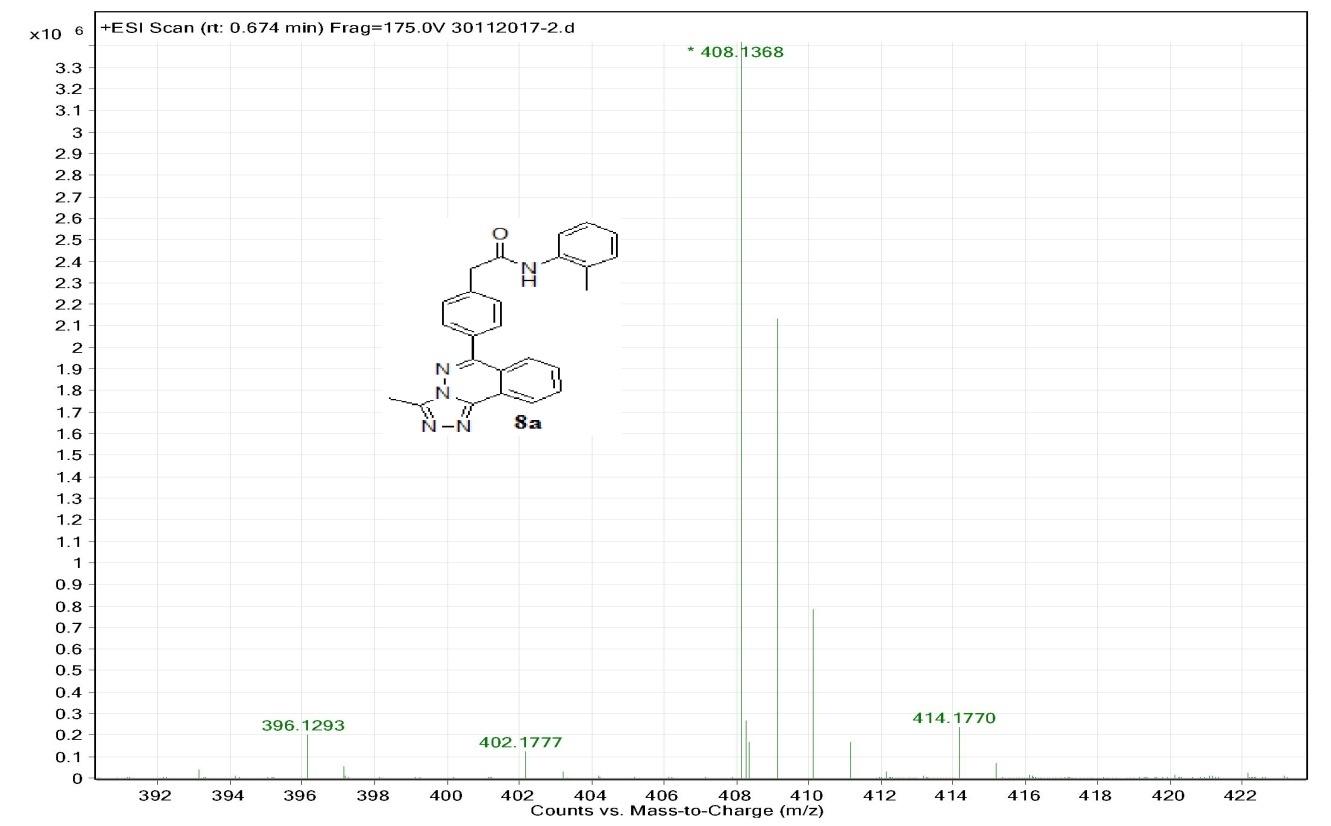
1H NMR (expansion )Spectra of Compound- 8a:



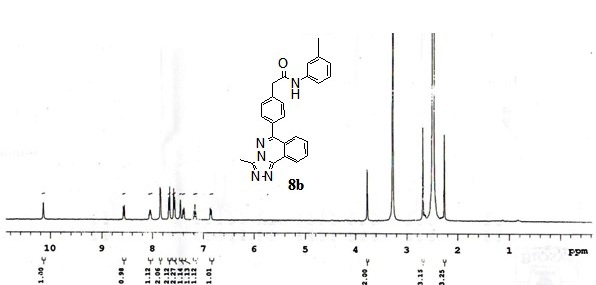
13C NMR Spectra of Compound - 8a:



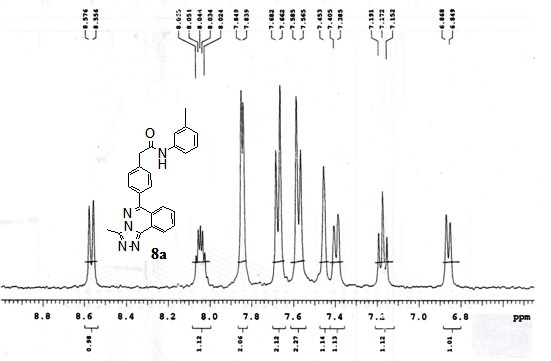
HRMS Spectra of Compound -8a



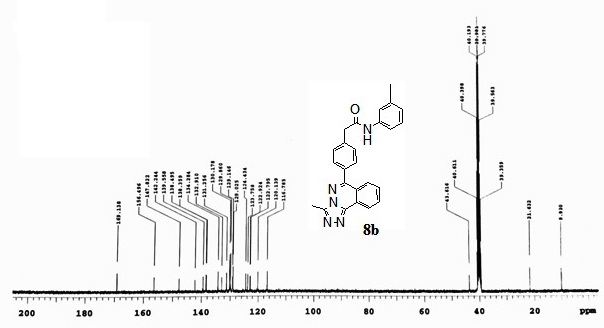
1H NMR Spectra of Compound- 8b:



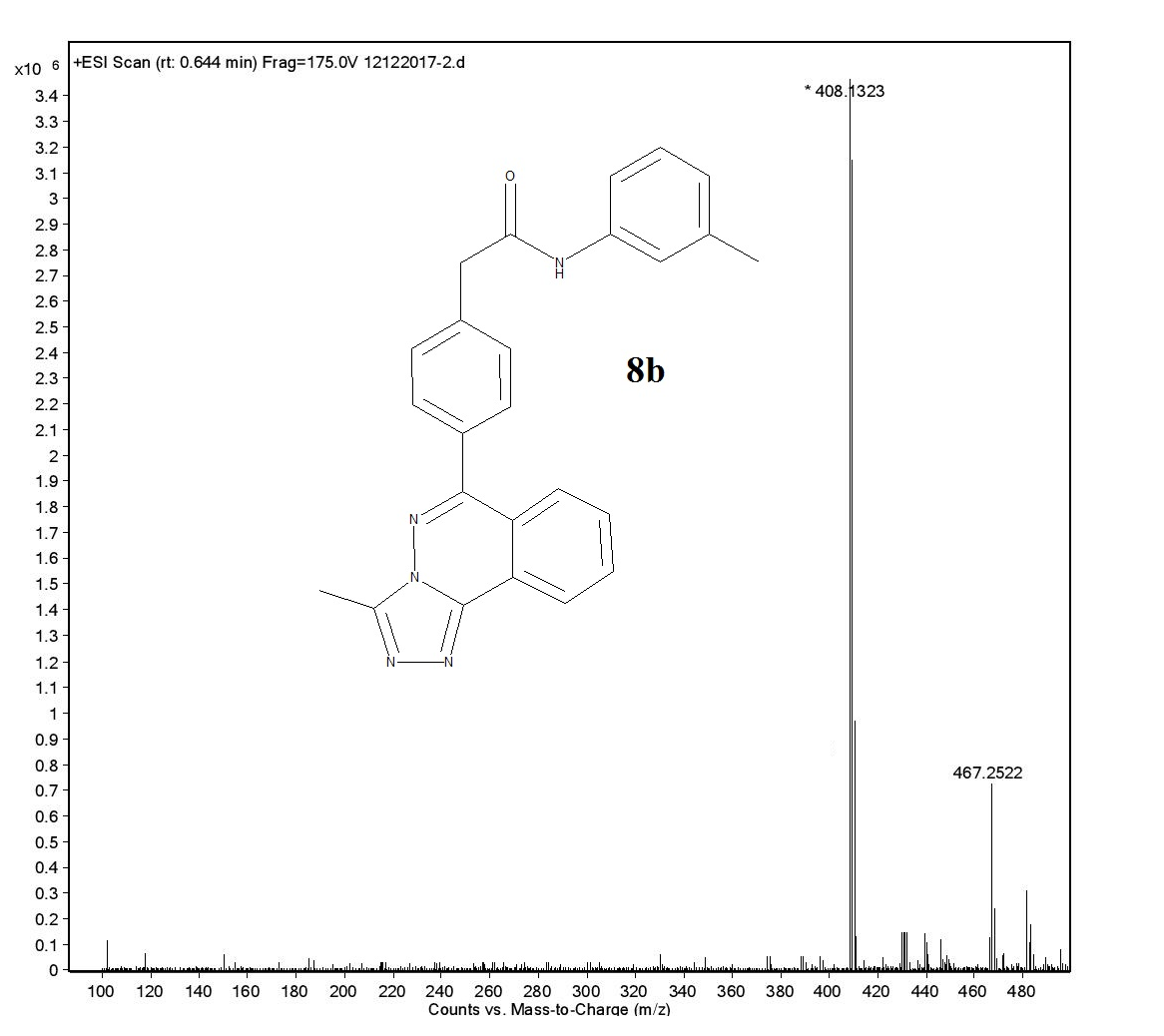
1H NMR Spectra of Compound- 8b(expansion):



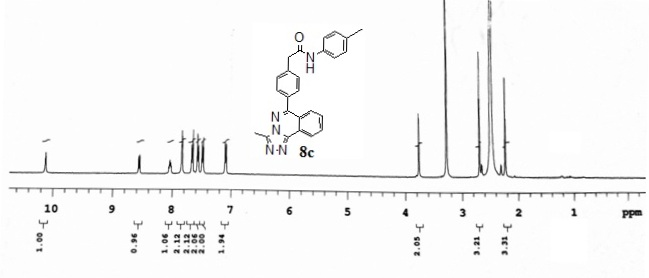
13 C NMR Spectra of Compound- 8b:



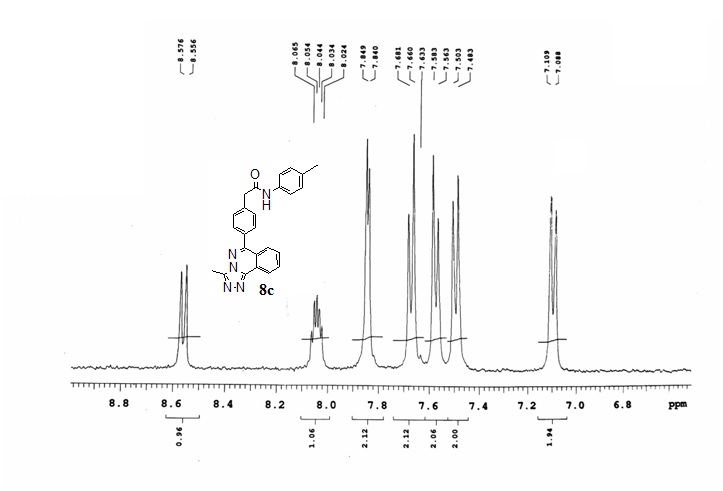
Compound 8b 13C NMR

HRMS Spectra of Compound -8b:

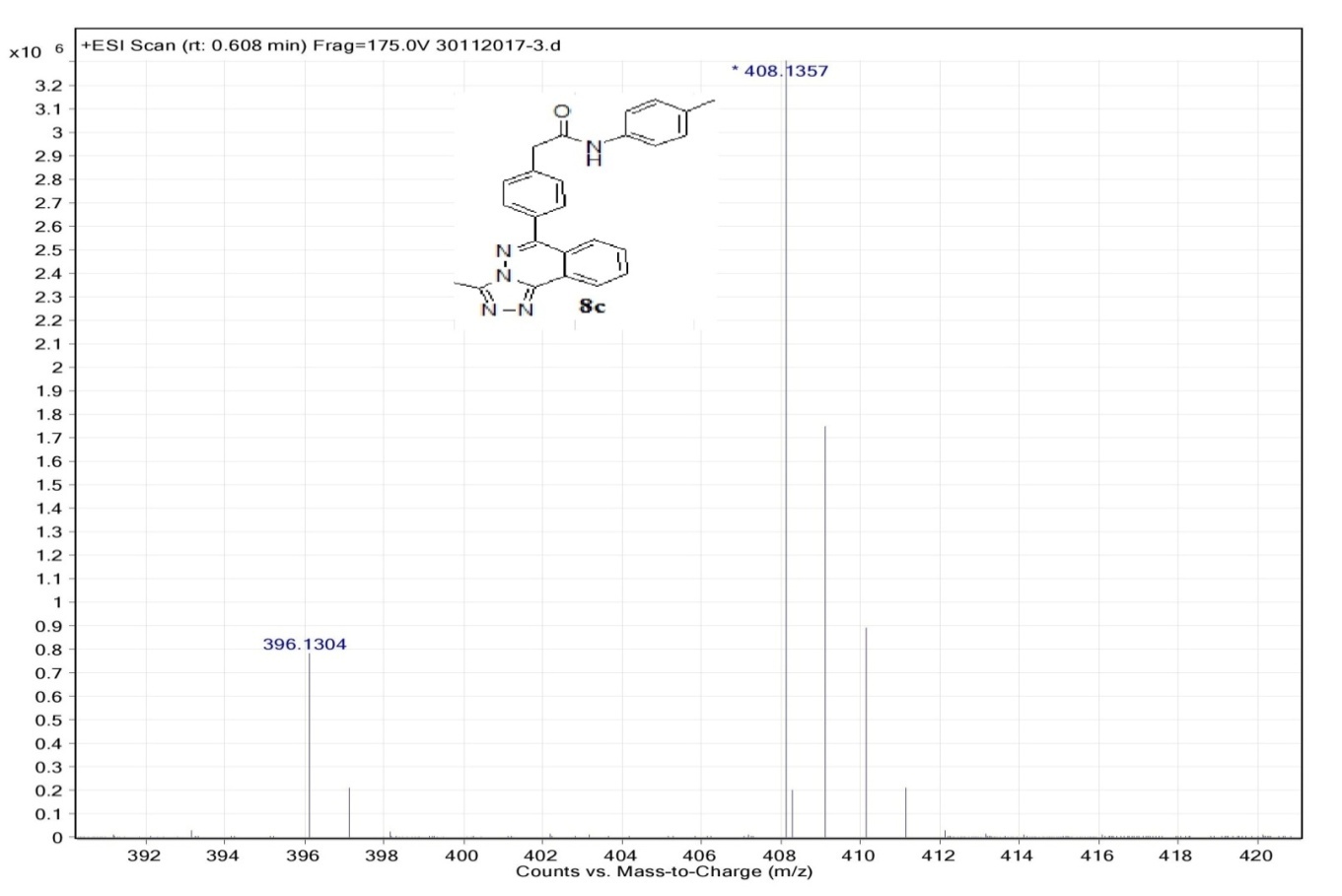
1H NMR Spectra of Compound- 8c:



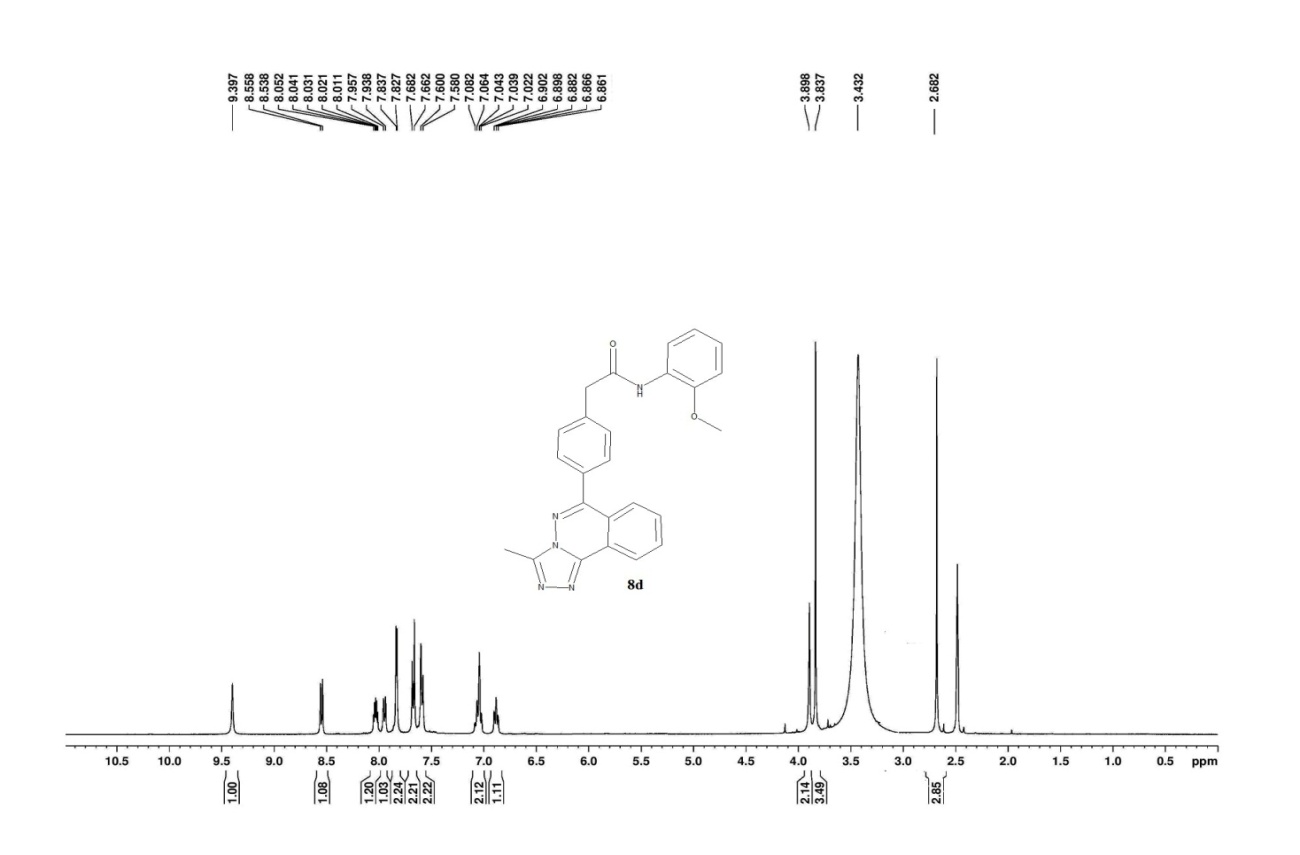
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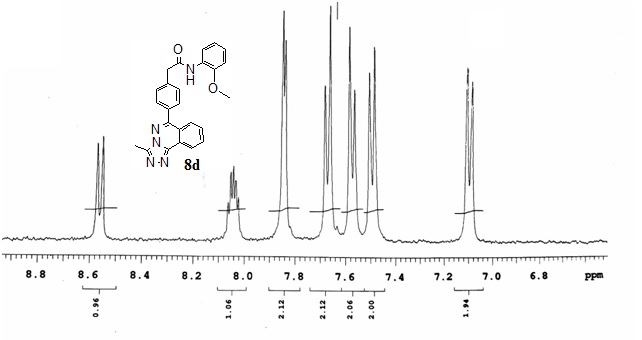
HRMS Spectra of Compound -8c:

COMPOUND 8C EXPANSION

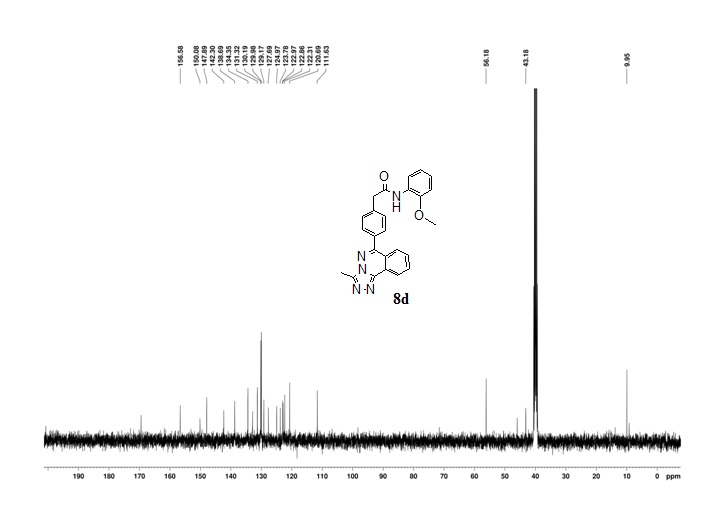
1H NMR Spectra of Compound- 8d:



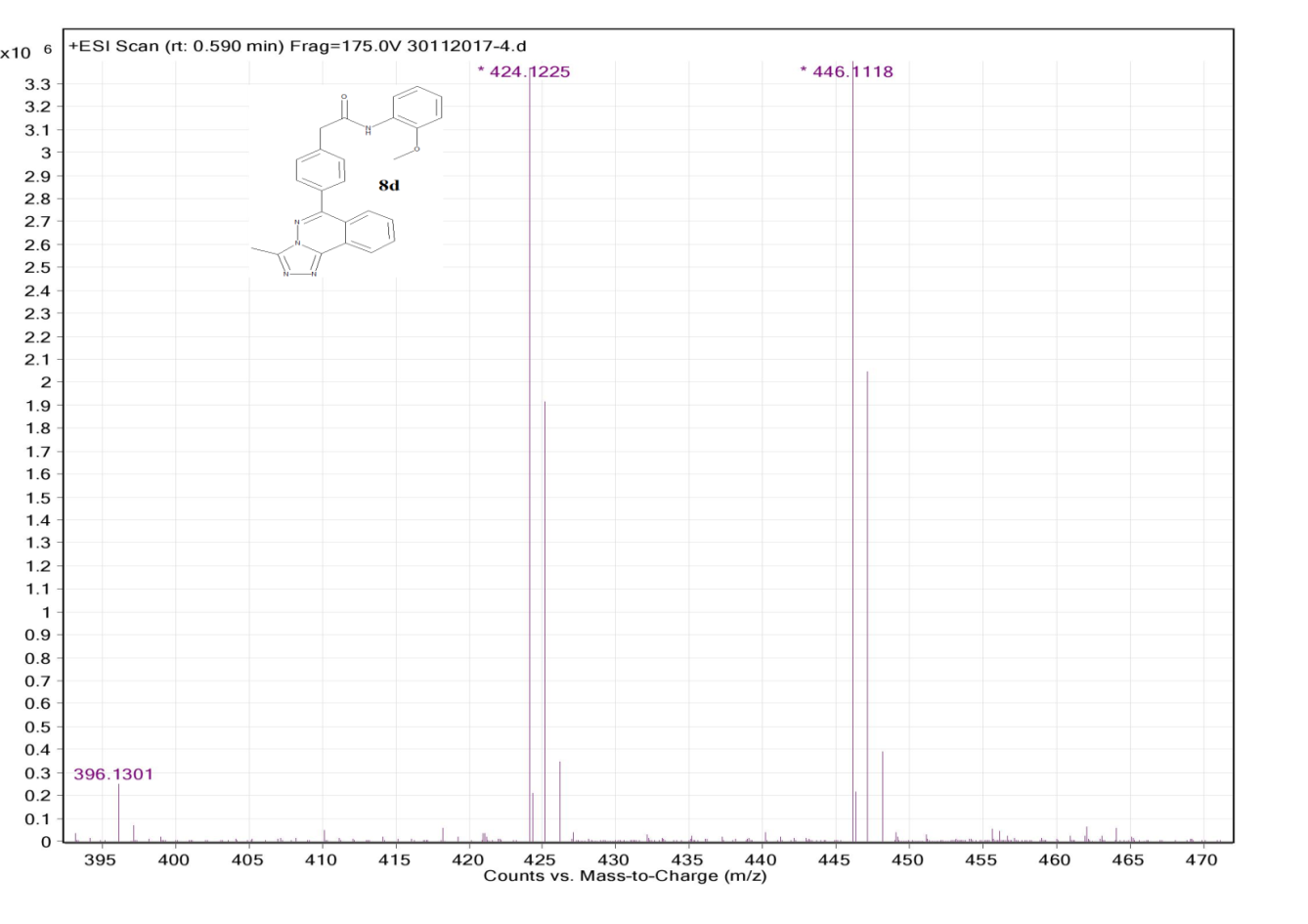
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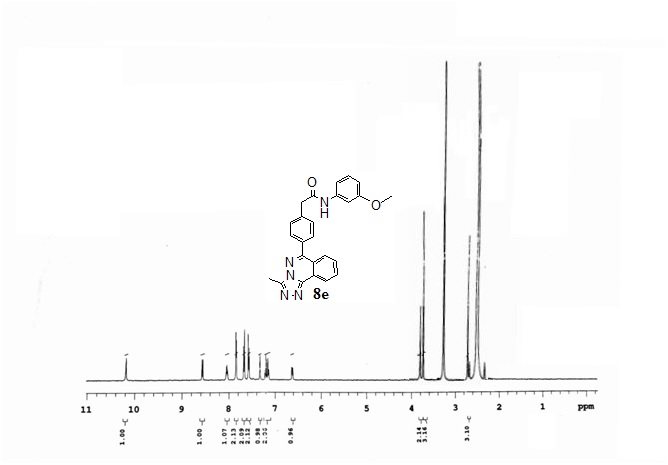
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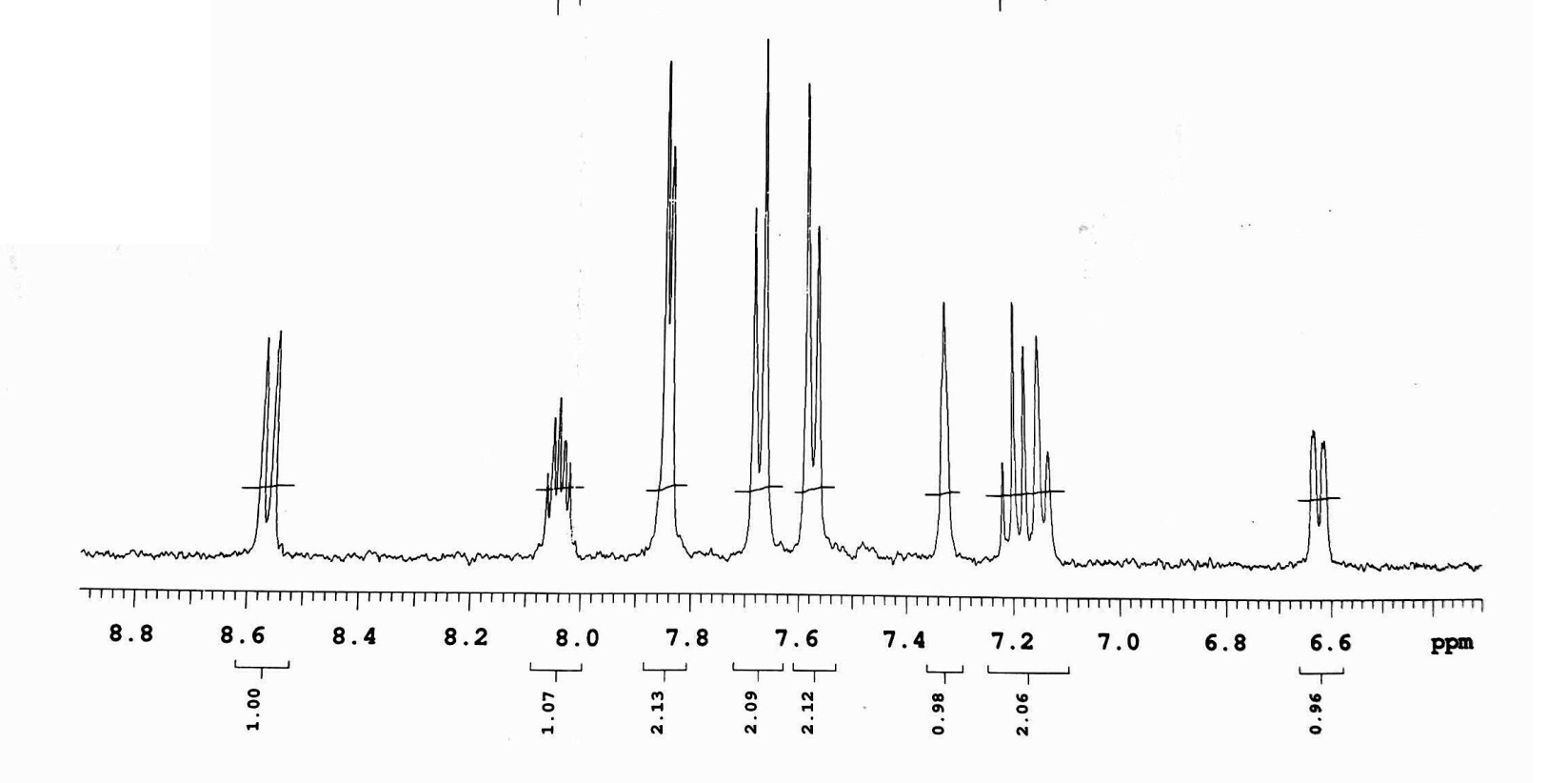
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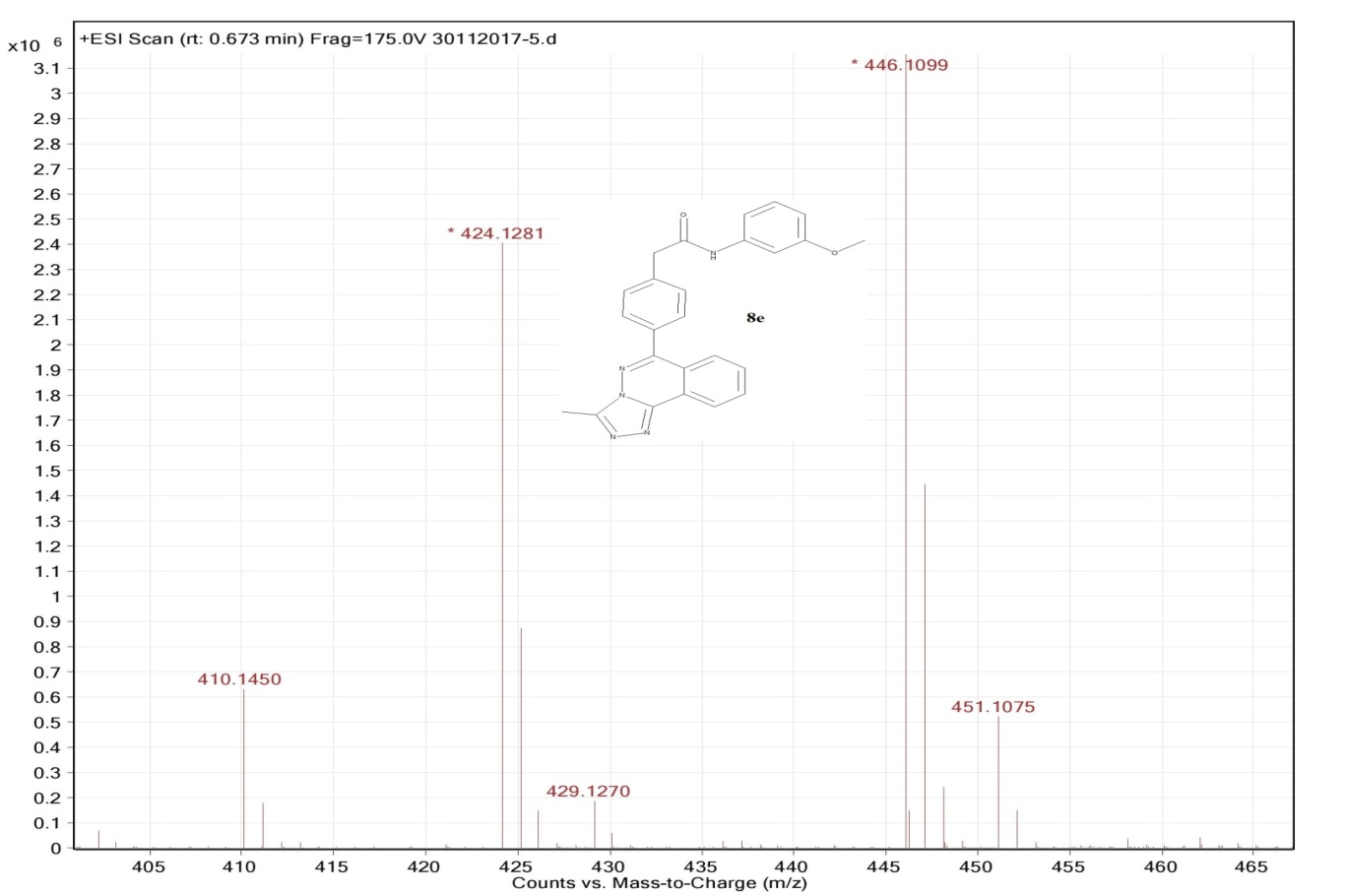
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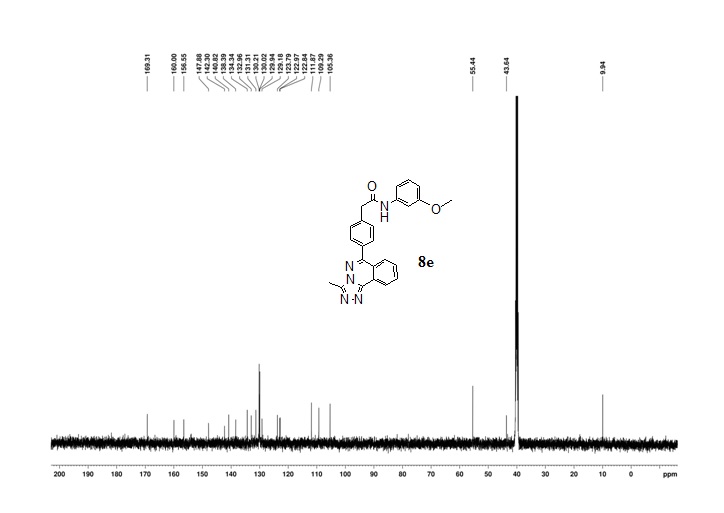
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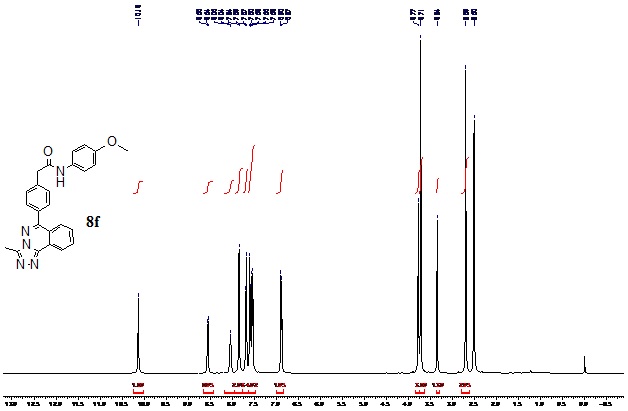
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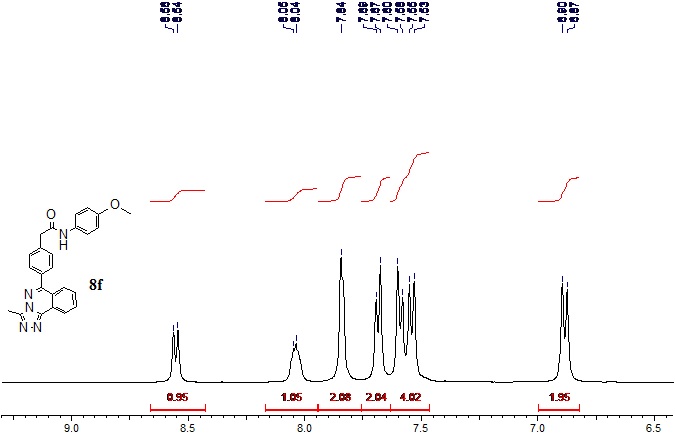
13 C NMR Spectra of Compound- 8e:



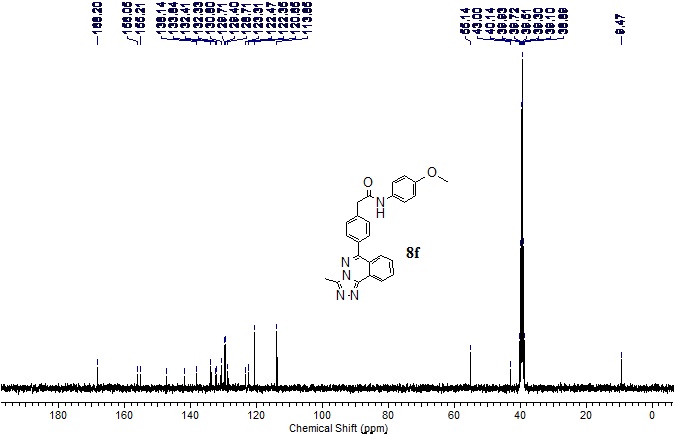
1H NMR Spectra of Compound- 8f:



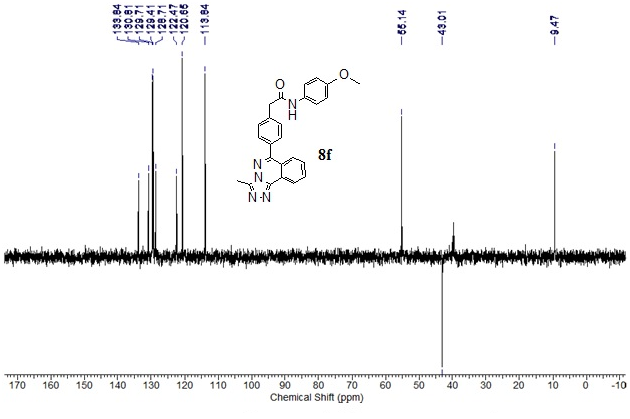
1H NMR Spectra of Compound- 8e (expansion):



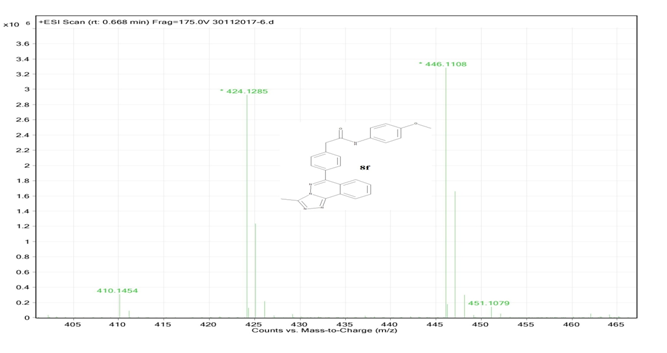
13 C NMR Spectra of Compound- 8f:



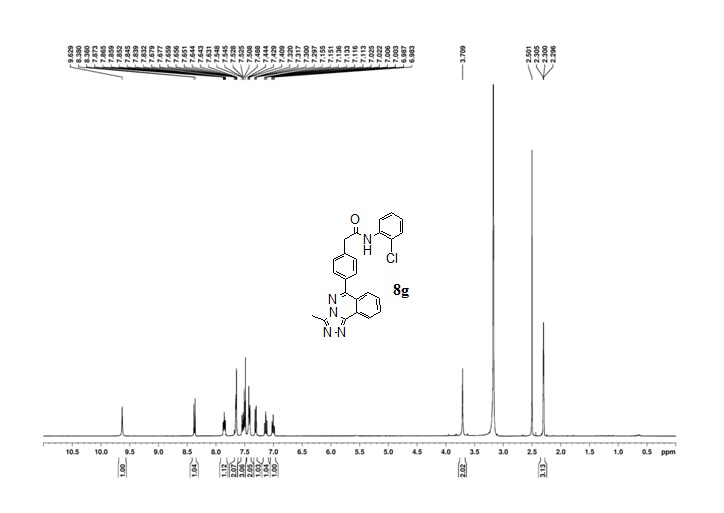
DEPT of compound 8f



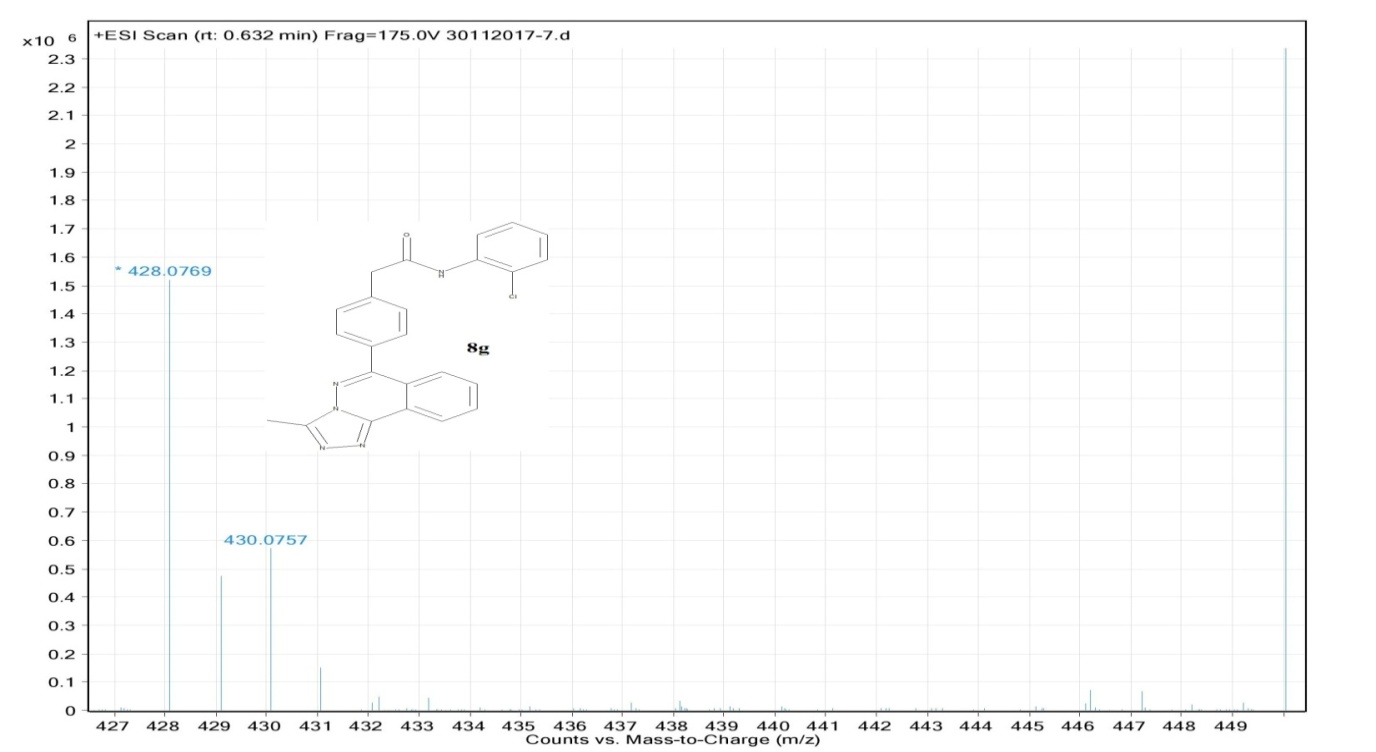
HRMS Spectra of Compound -8f:



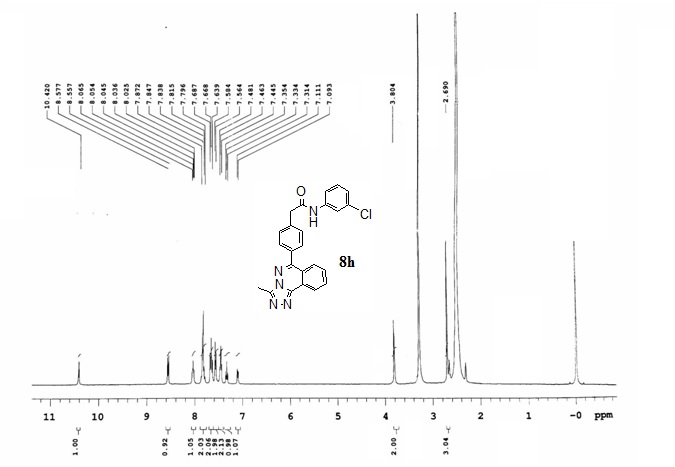
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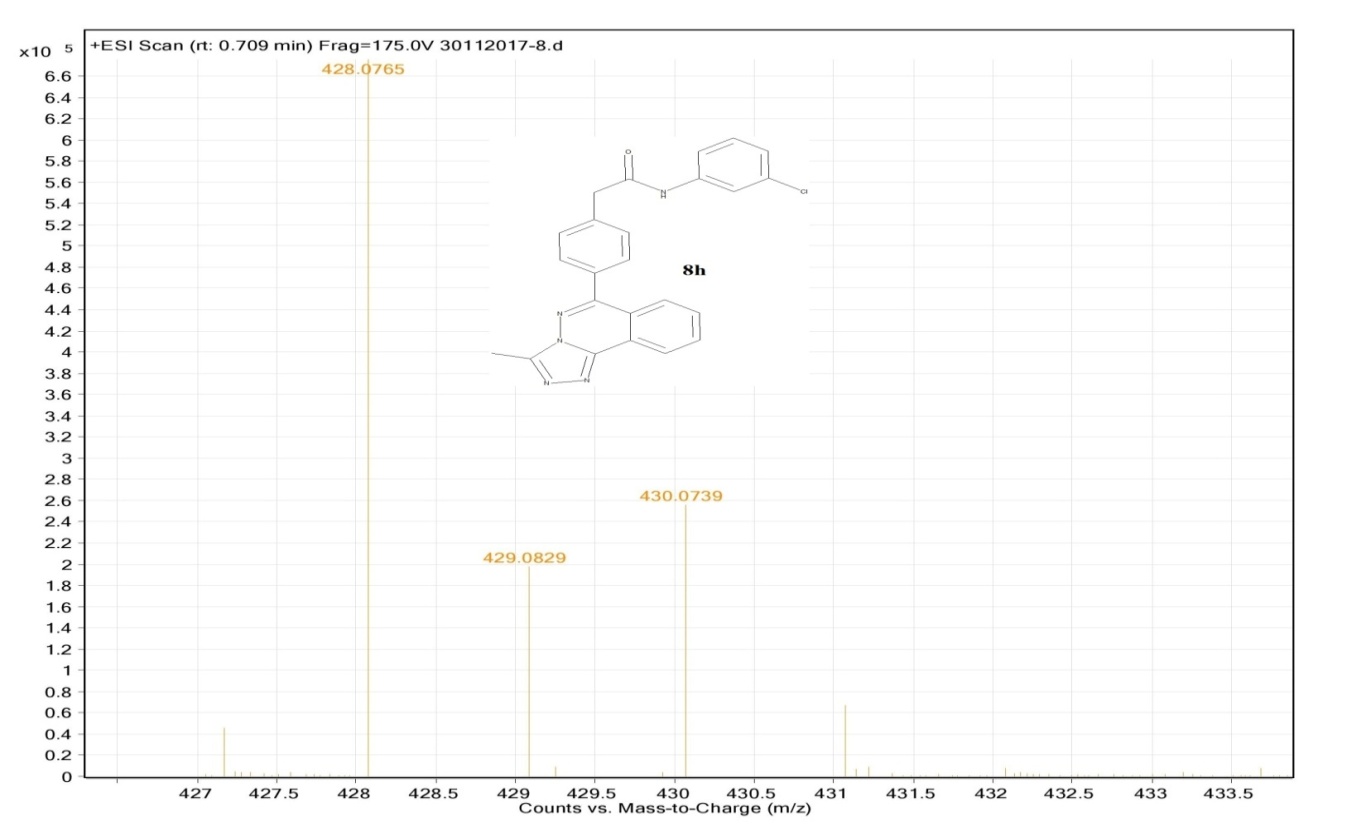
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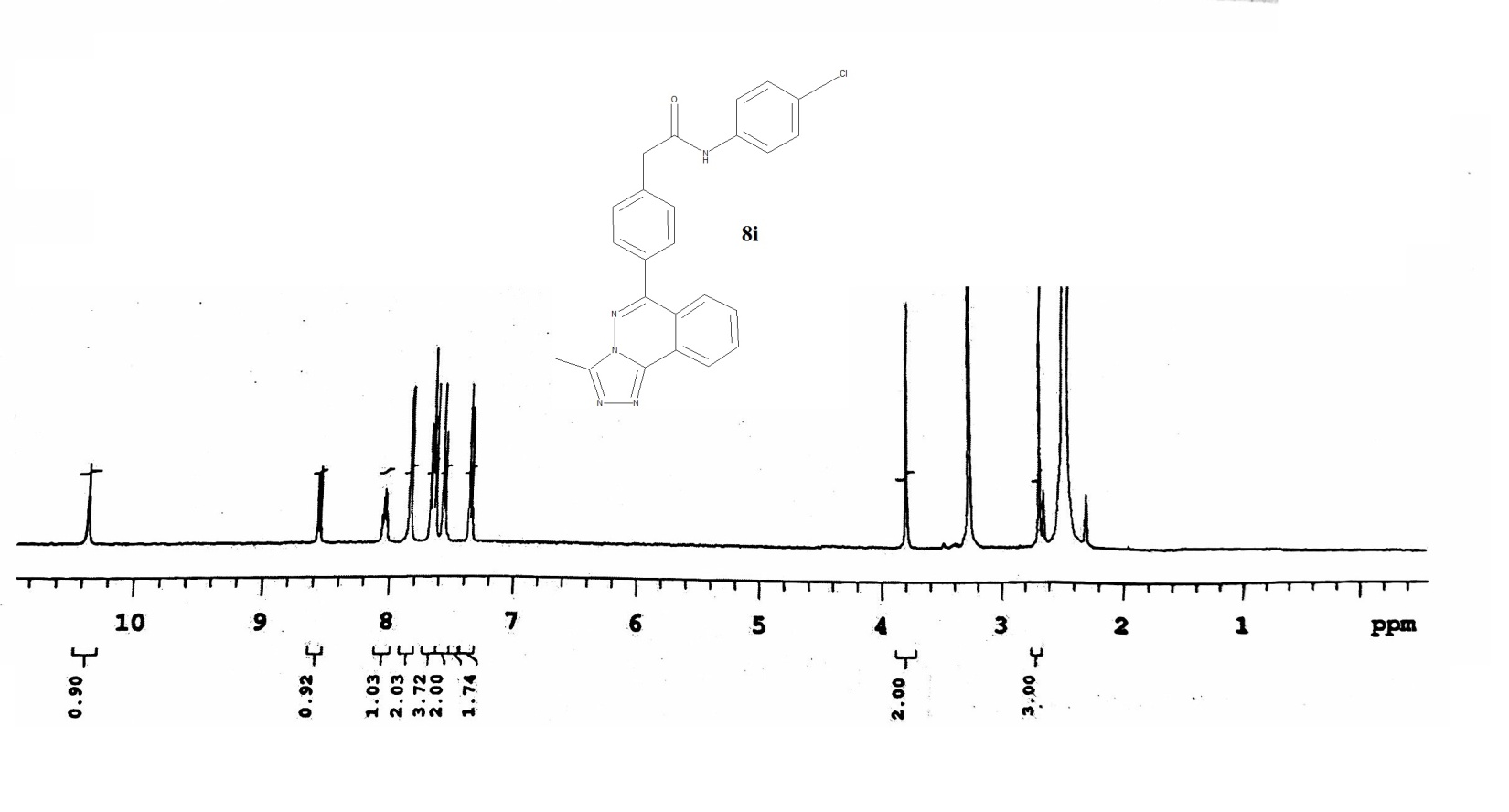
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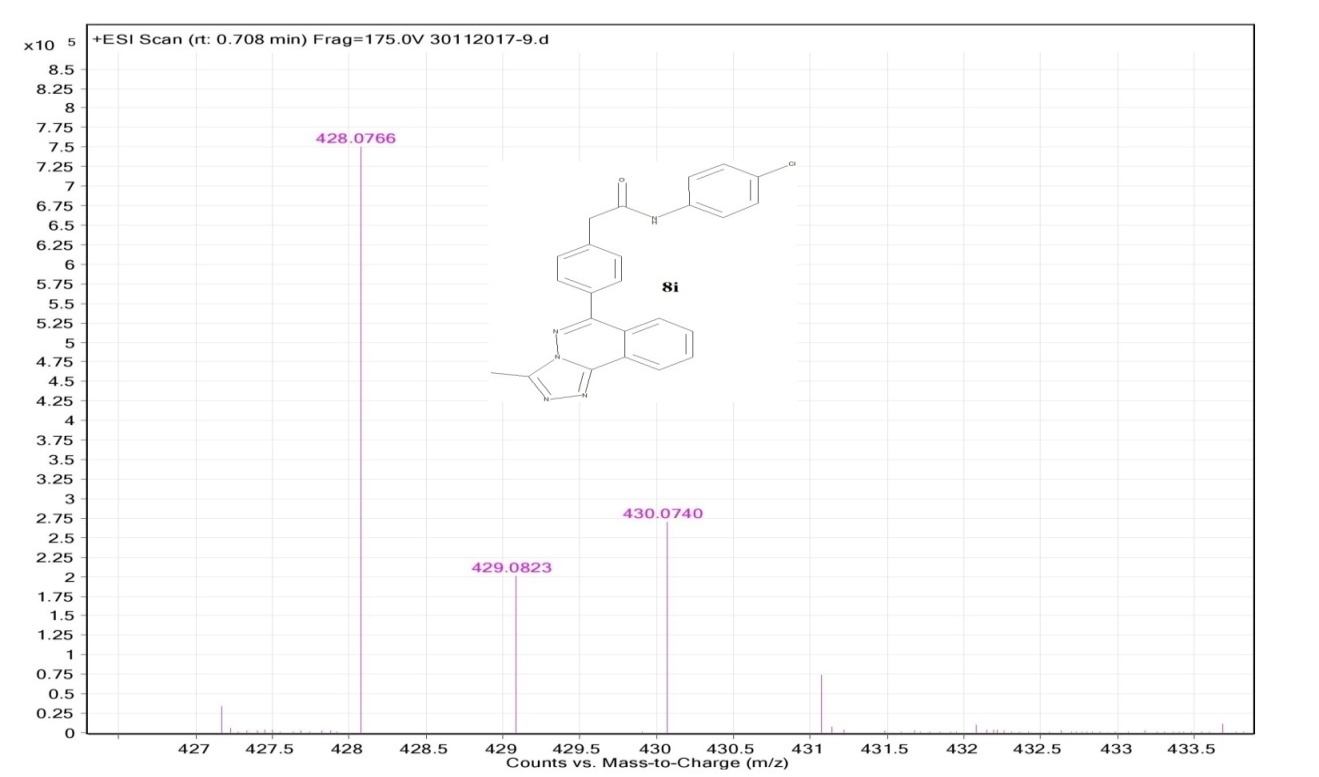
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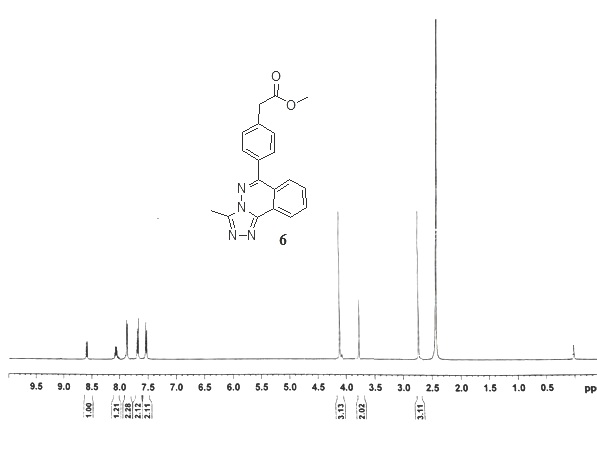
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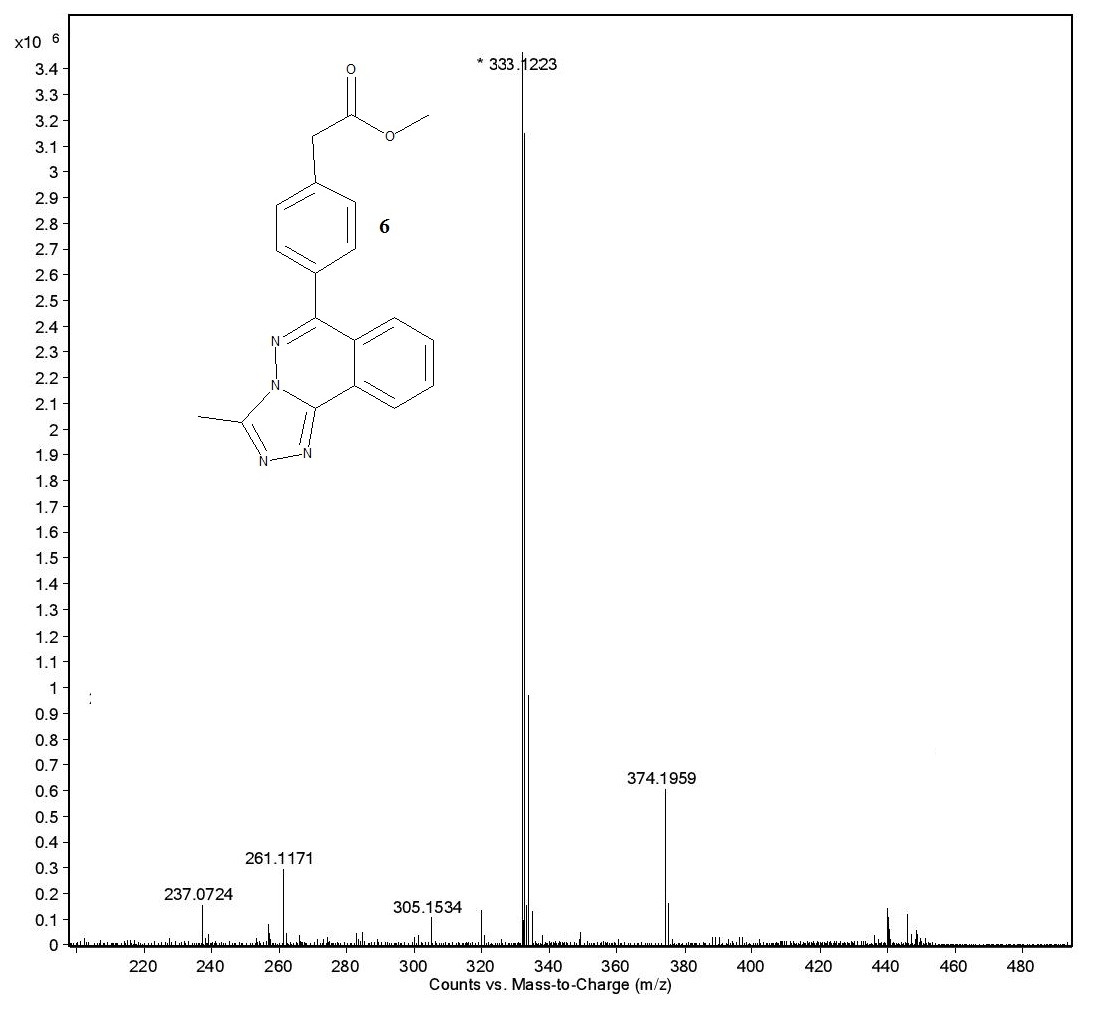
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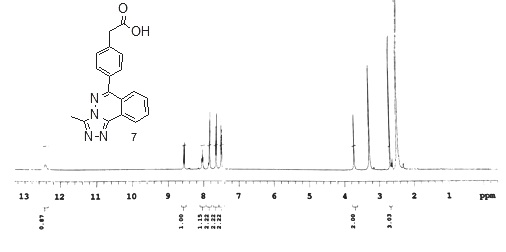
1H NMR Spectra of Compound-6:

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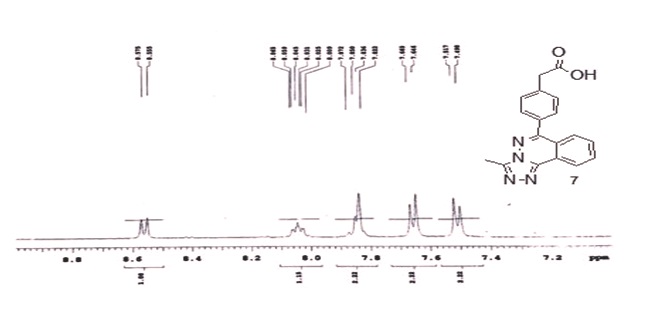
HRMS Spectra of Compound-6:



1H NMR Spectra of Compound- 7:



1H NMR Spectra of Compound- 7 (expansion):



HRMS Spectra of Compound-7:

