

# Bile-Acid-Appended Triazolyl Aryl Ketones: Design, Synthesis, In Vitro Anticancer Activity and Pharmacokinetics in Rats

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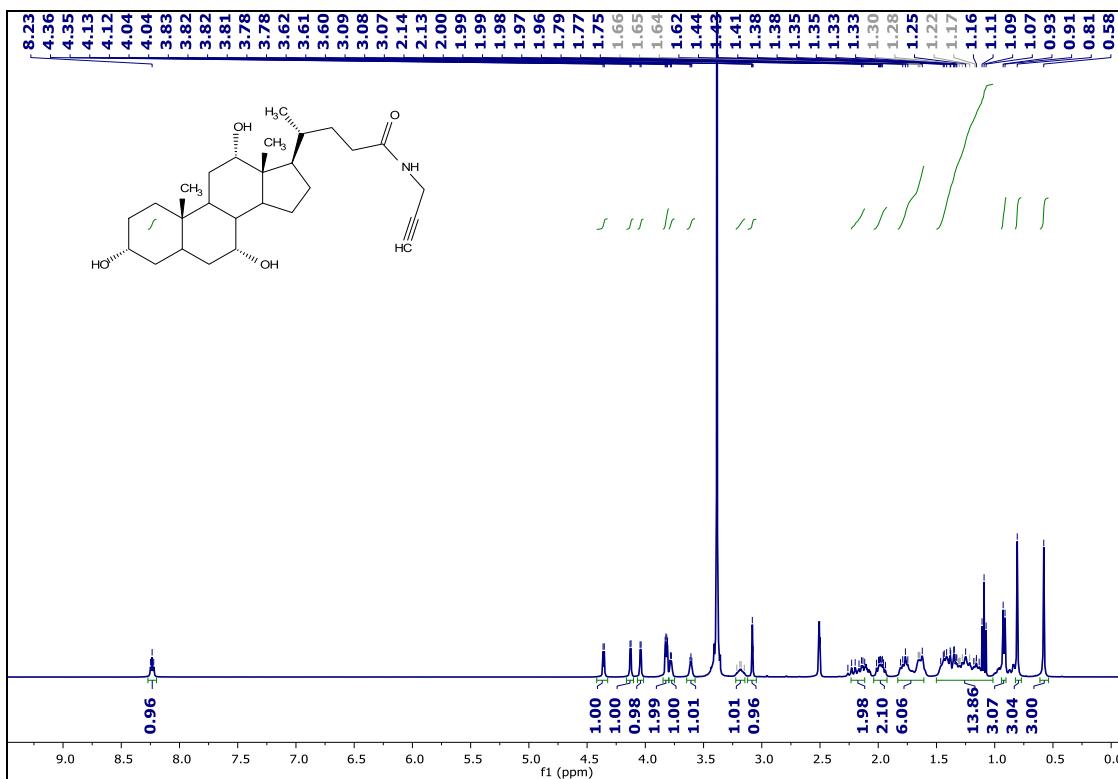
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2 Department of Pharmacy, Birla Institute of Technology and Science Pilani 333 031, Rajasthan, India; samratm64@gmail.com (S.M.); italiyakishan2010@gmail.com (K.S.I.); deepak.chitkara@pilani.bits-pilani.ac.in (D.C.)

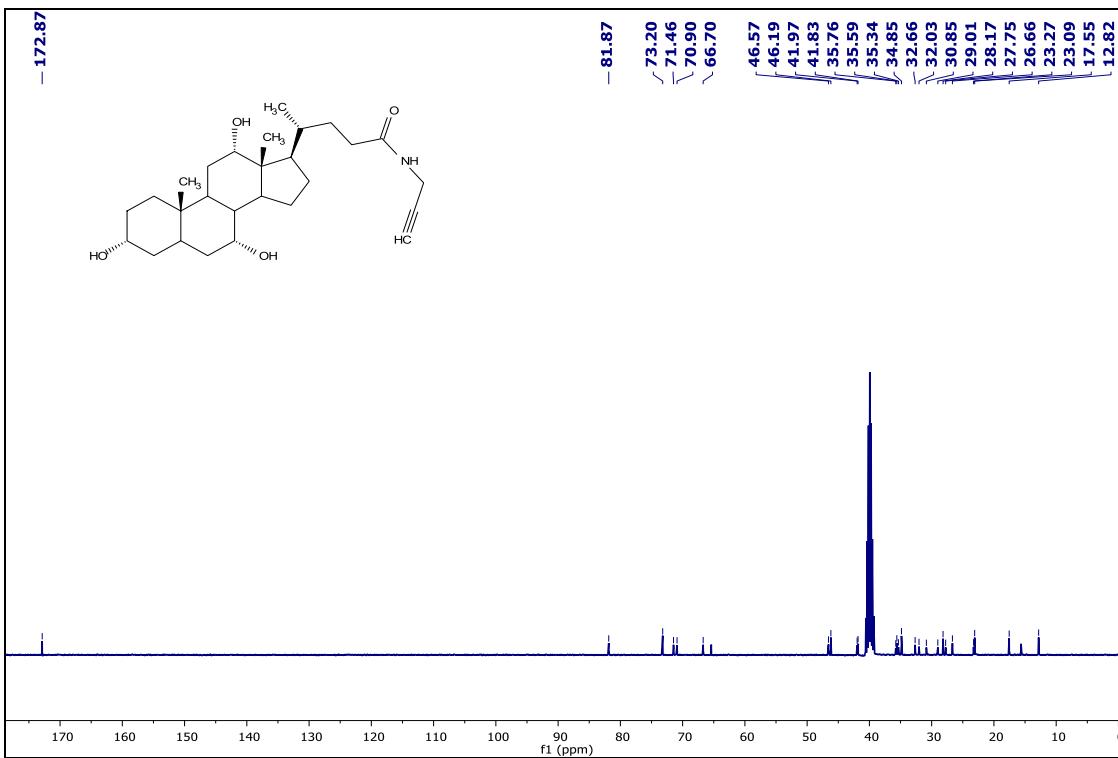
\* Correspondence: rajeev.sakhuja@pilani.bits-pilani.ac.in

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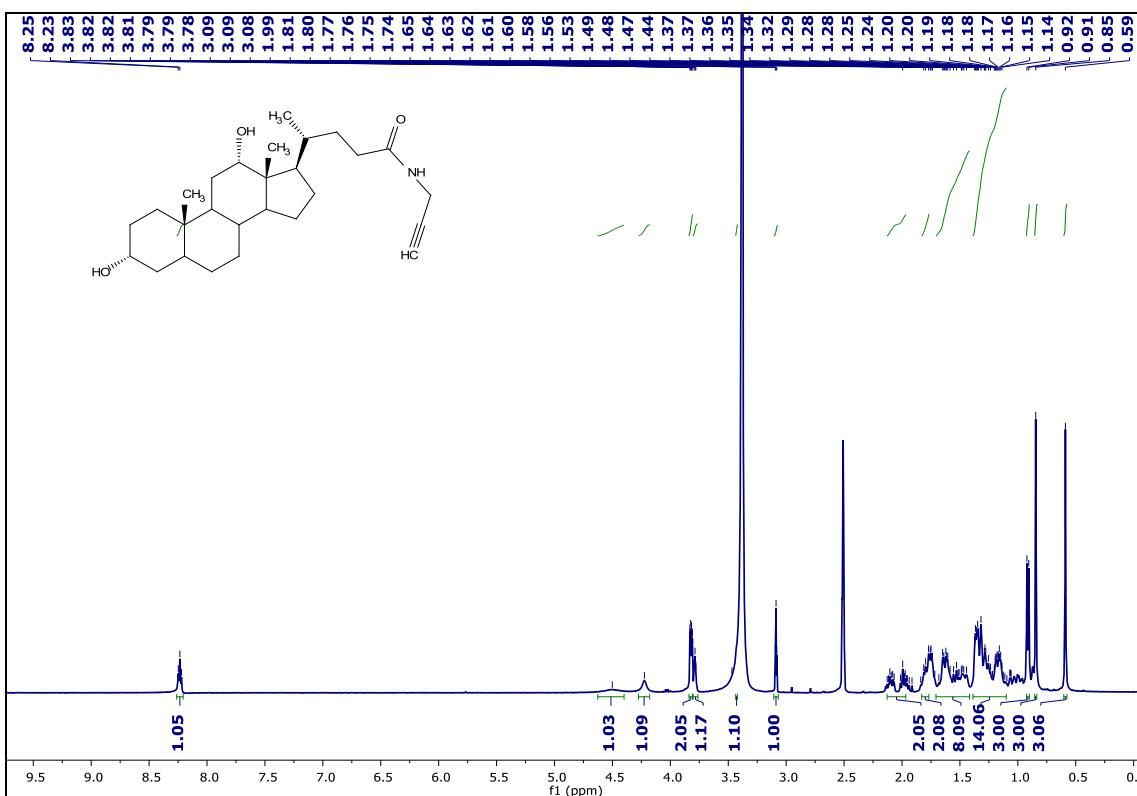
**<sup>1</sup>H NMR of 4c**



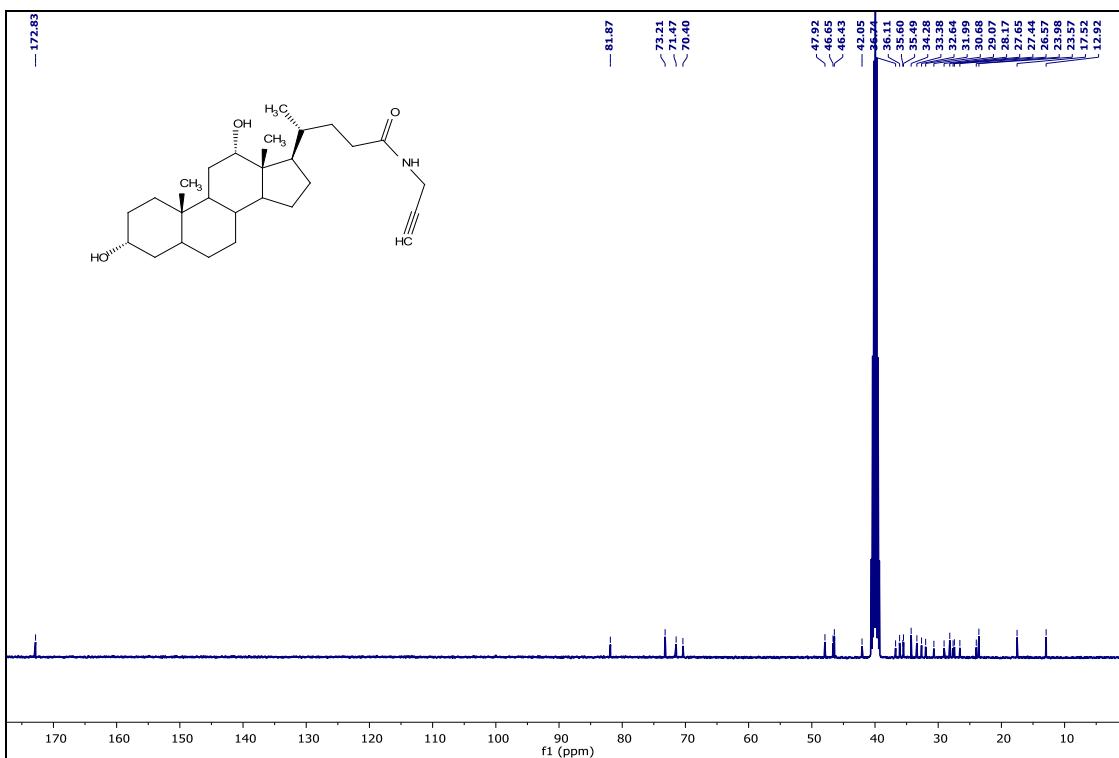
**<sup>13</sup>C NMR of 4c**



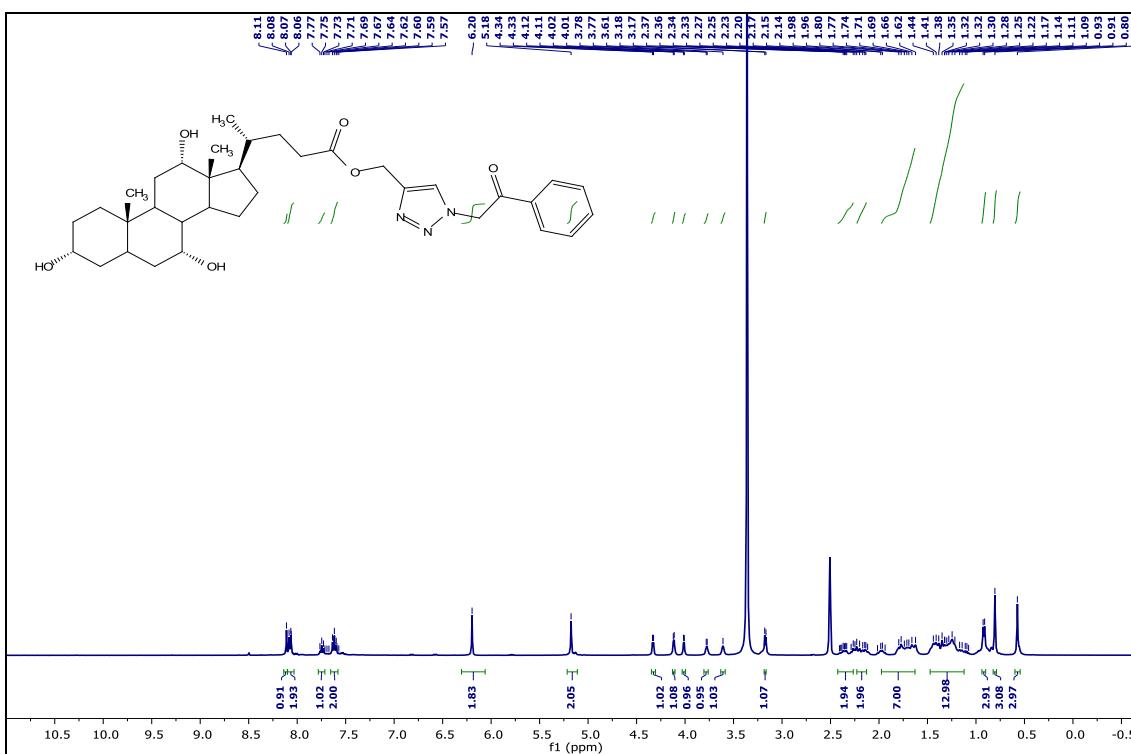
**<sup>1</sup>H NMR of 4d**



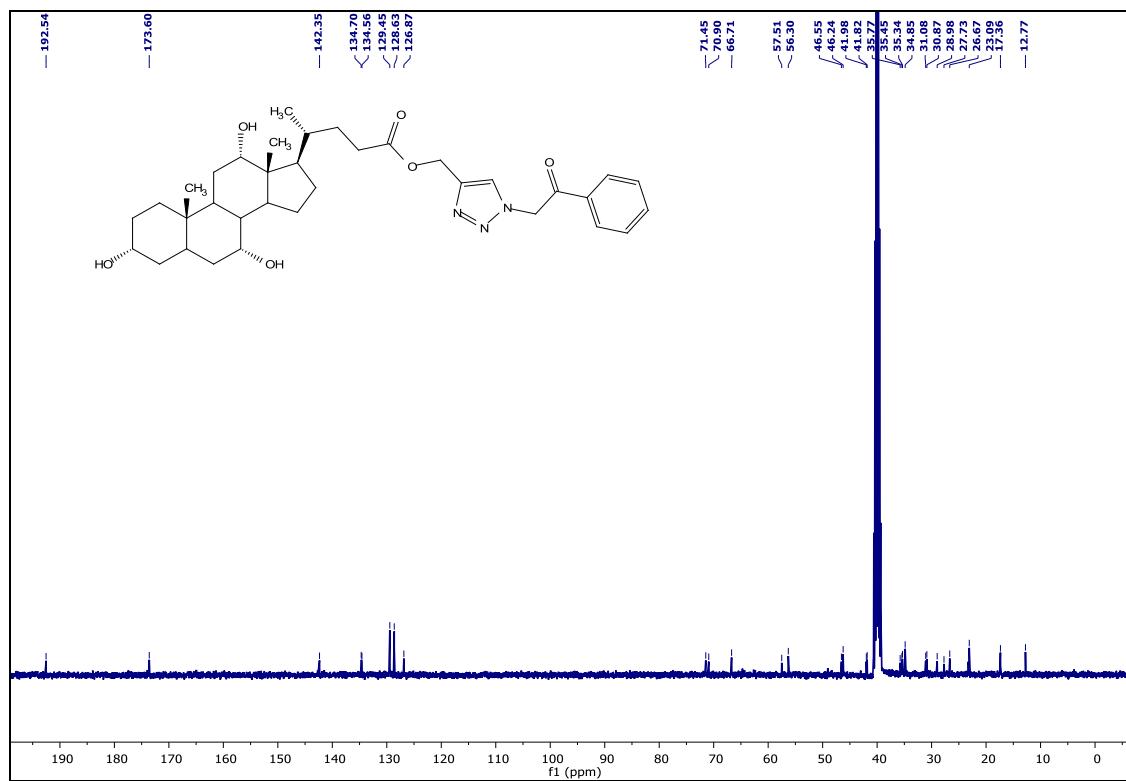
**<sup>13</sup>C NMR of 4d**



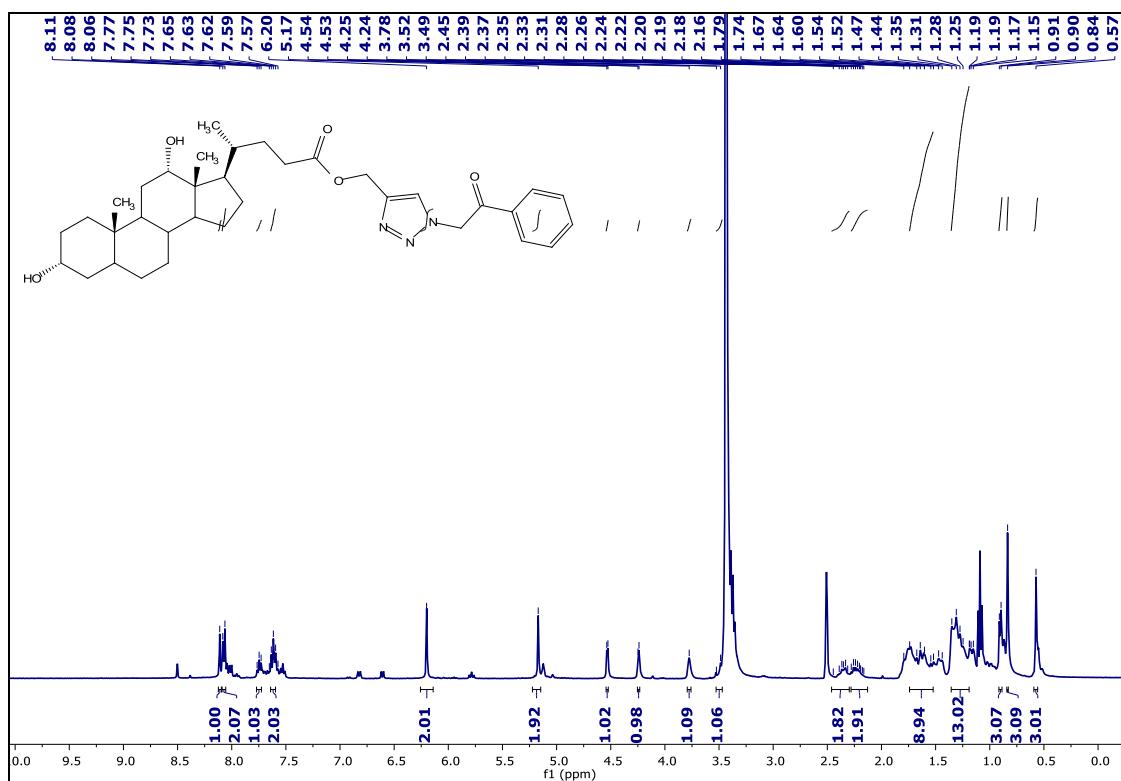
**<sup>1</sup>H NMR of 6aa**



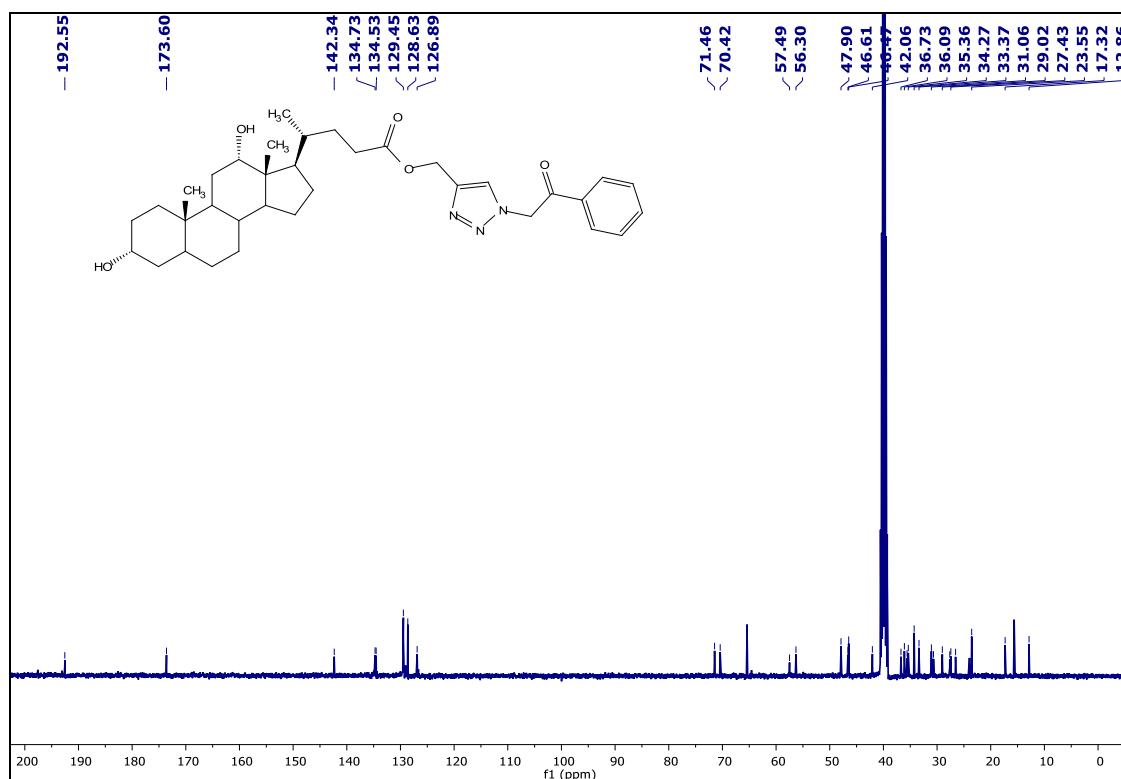
**<sup>13</sup>C NMR of 6aa**



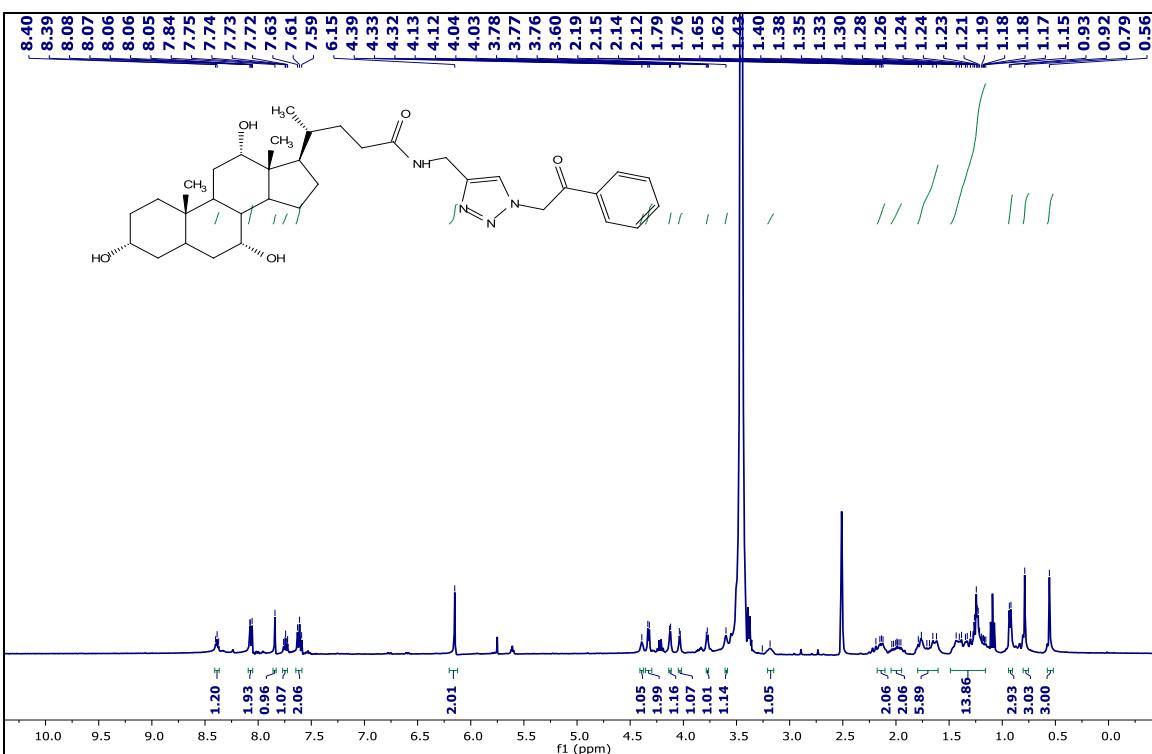
**<sup>1</sup>H NMR of 6ba**



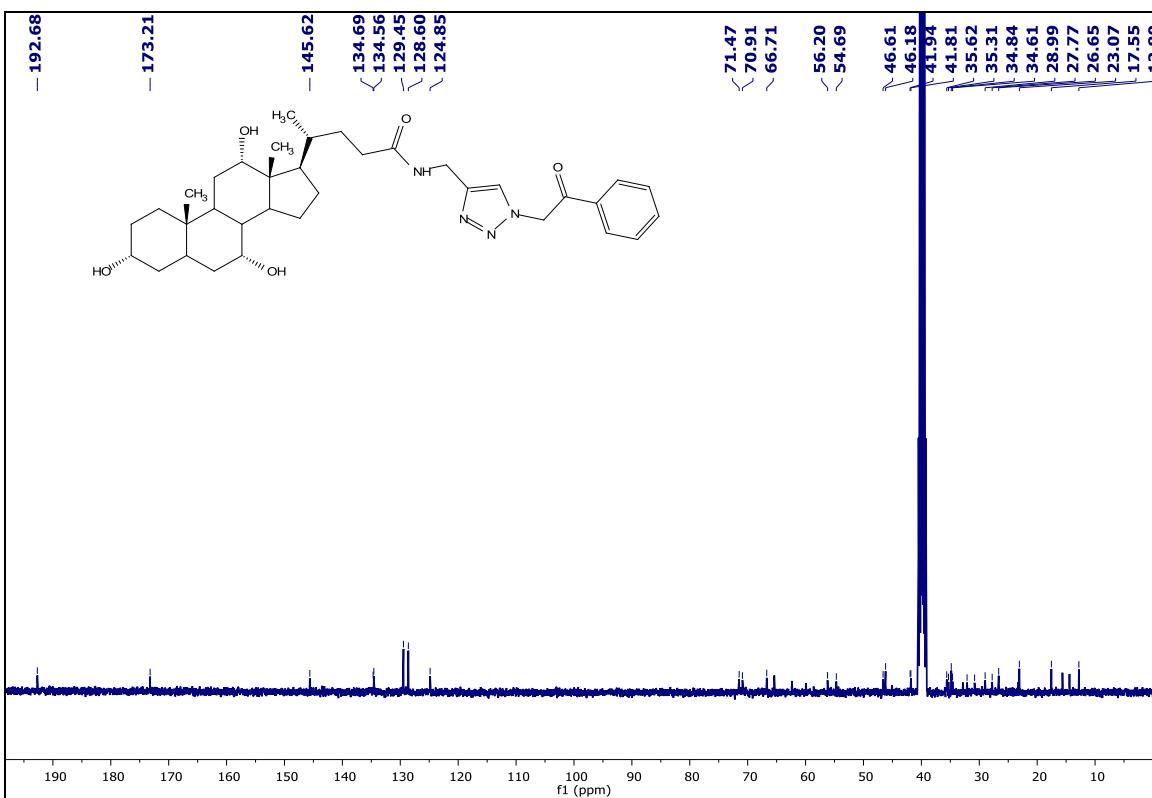
**<sup>13</sup>C NMR of 6ba**



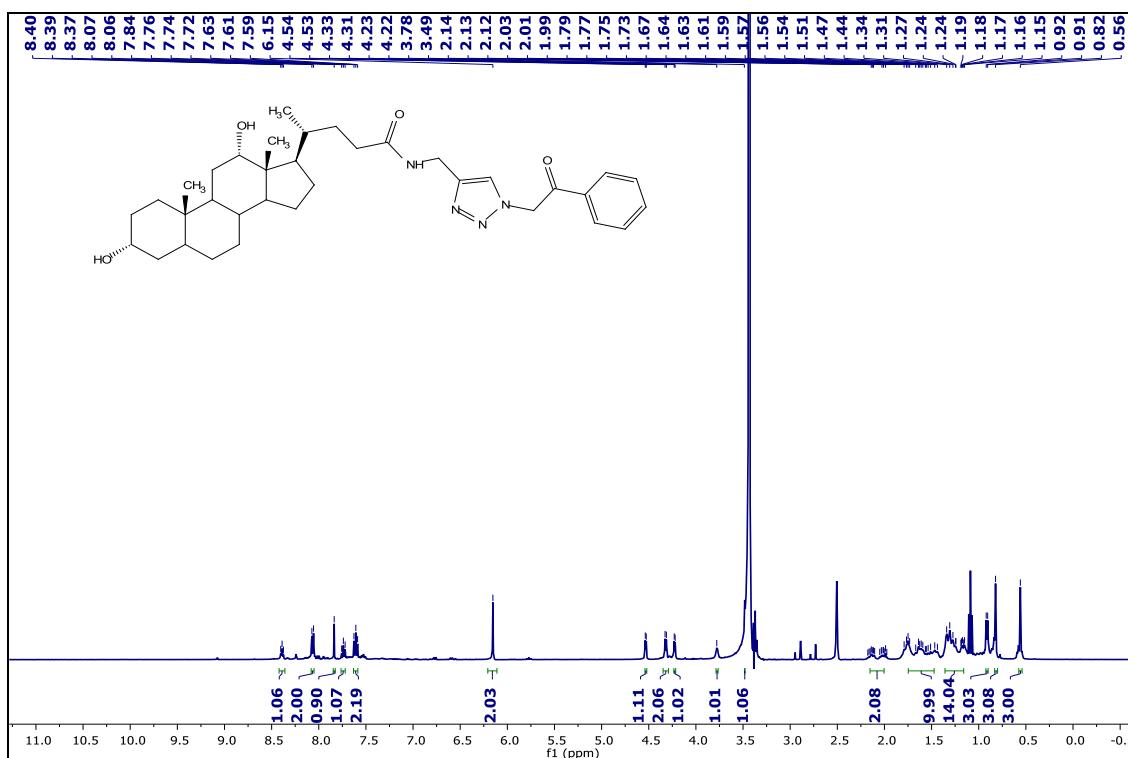
**<sup>1</sup>H NMR of 6ca**



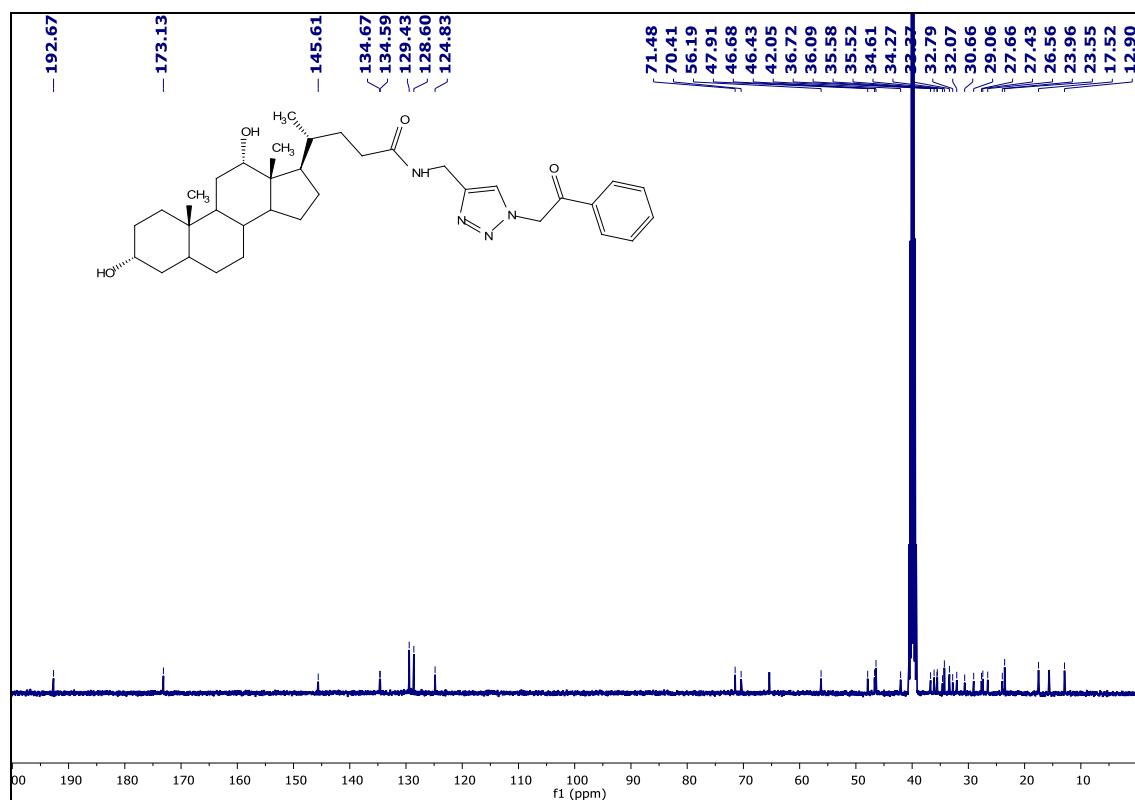
**<sup>13</sup>C NMR of 6ca**



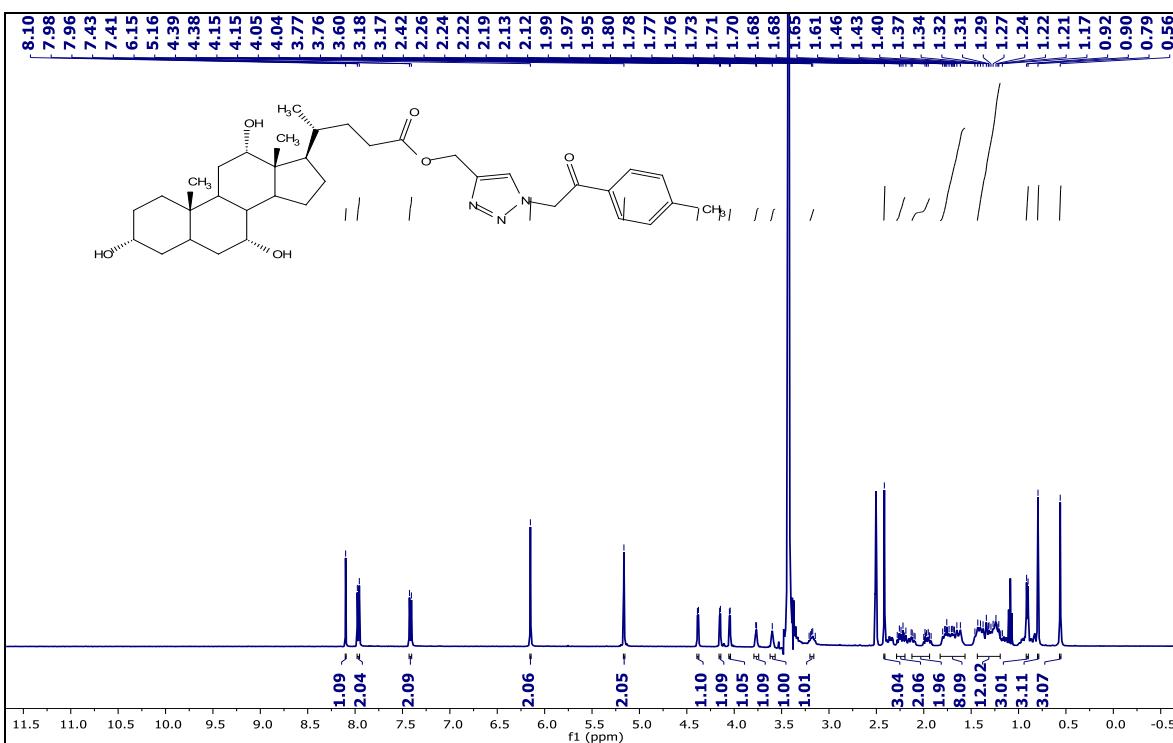
**<sup>1</sup>H NMR of 6da**



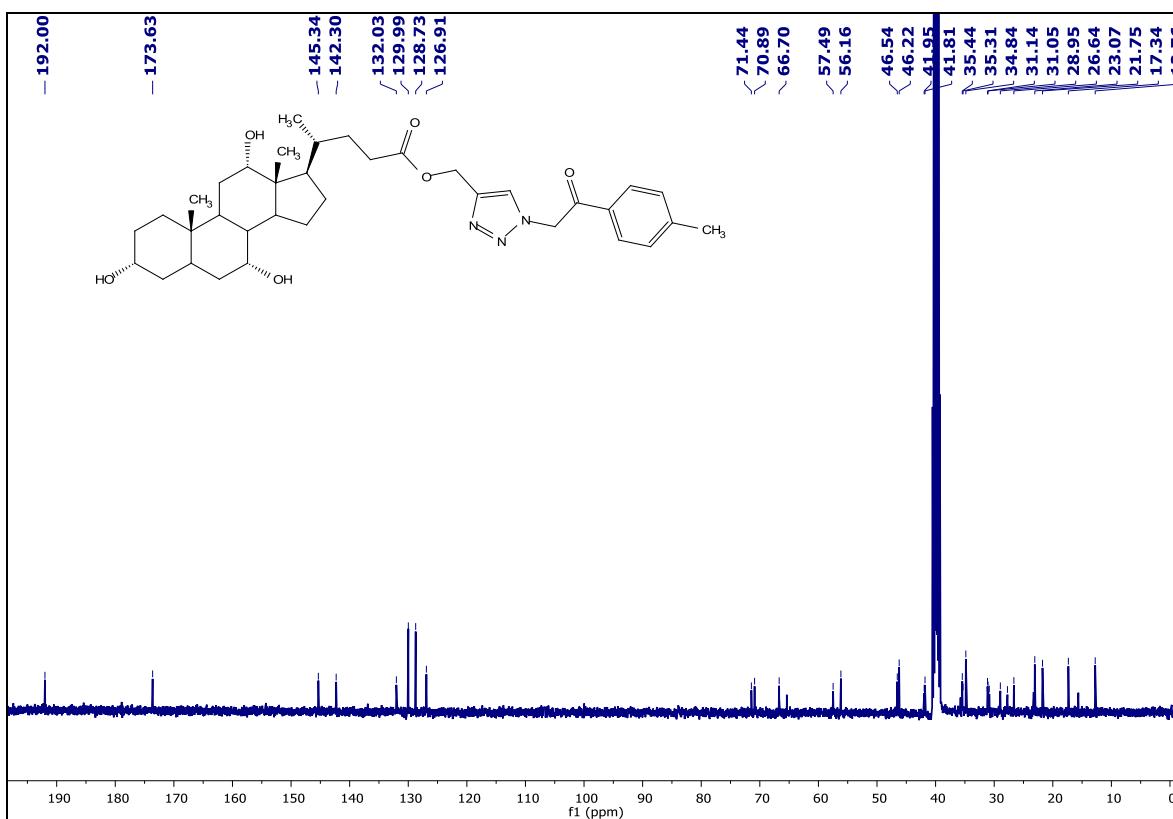
**<sup>13</sup>C NMR of 6da**



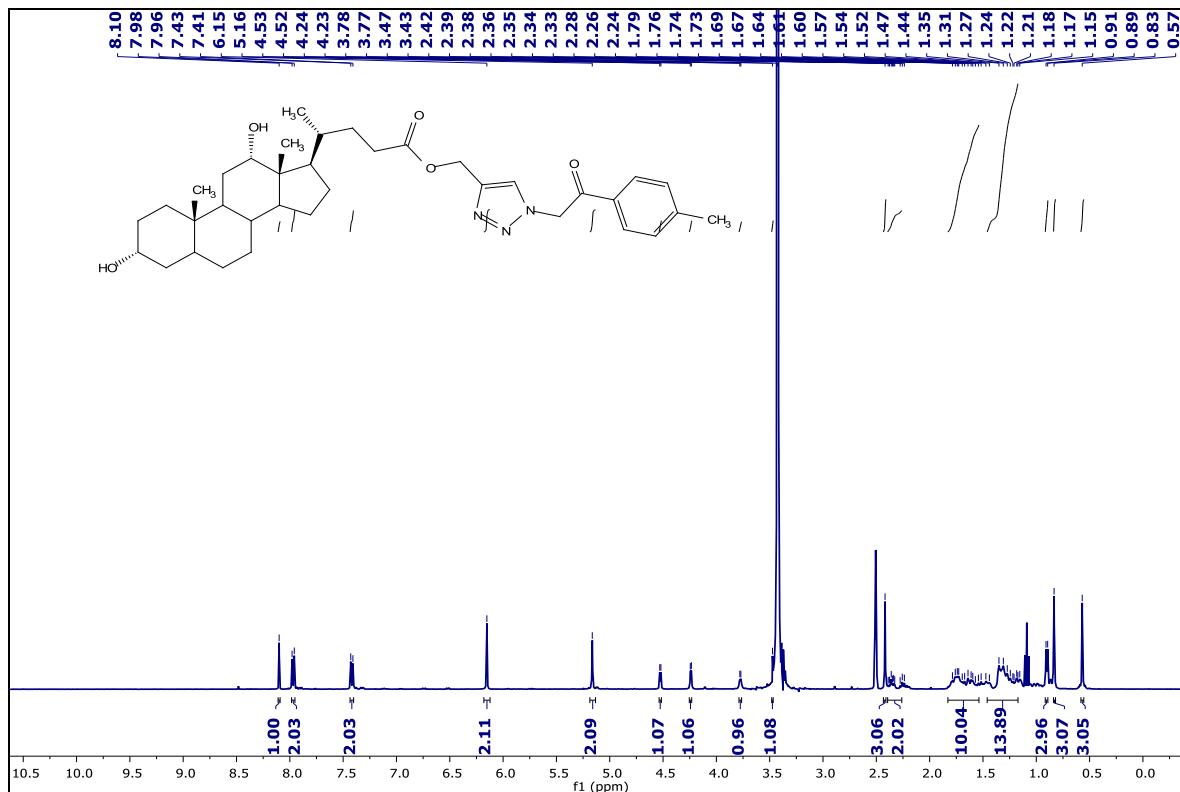
**<sup>1</sup>H NMR of 6ab**



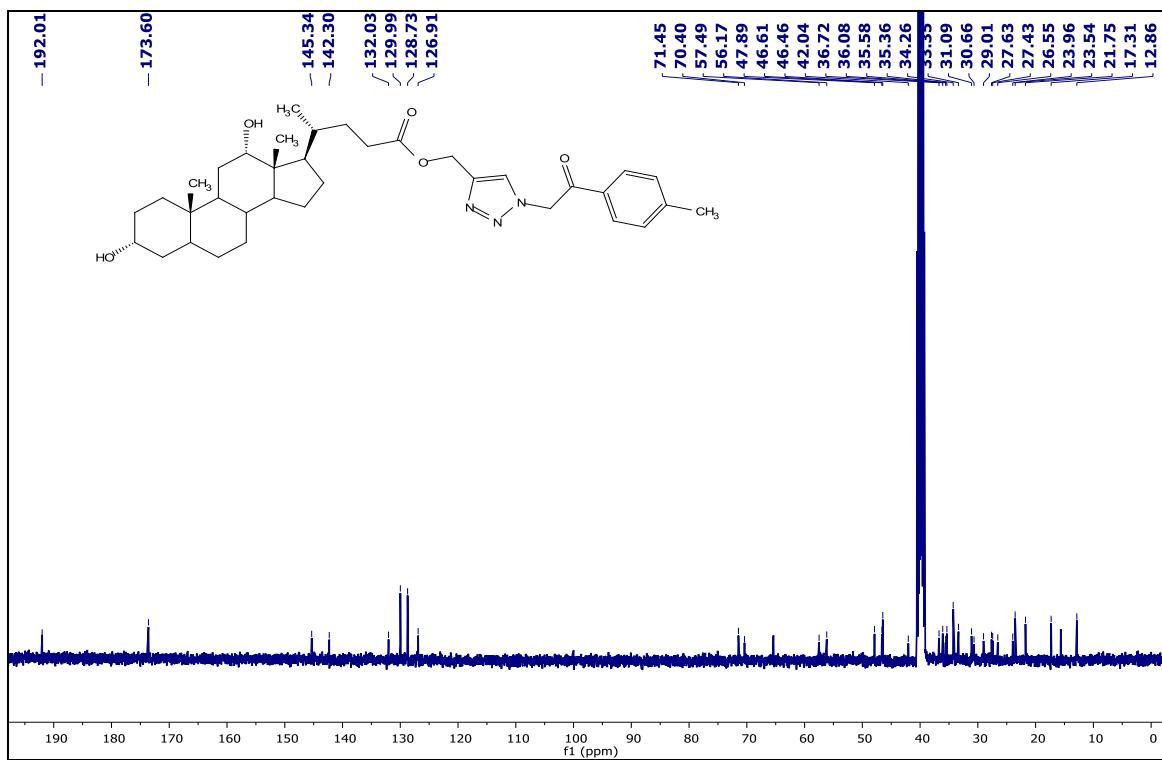
**<sup>13</sup>C NMR of 6ab**



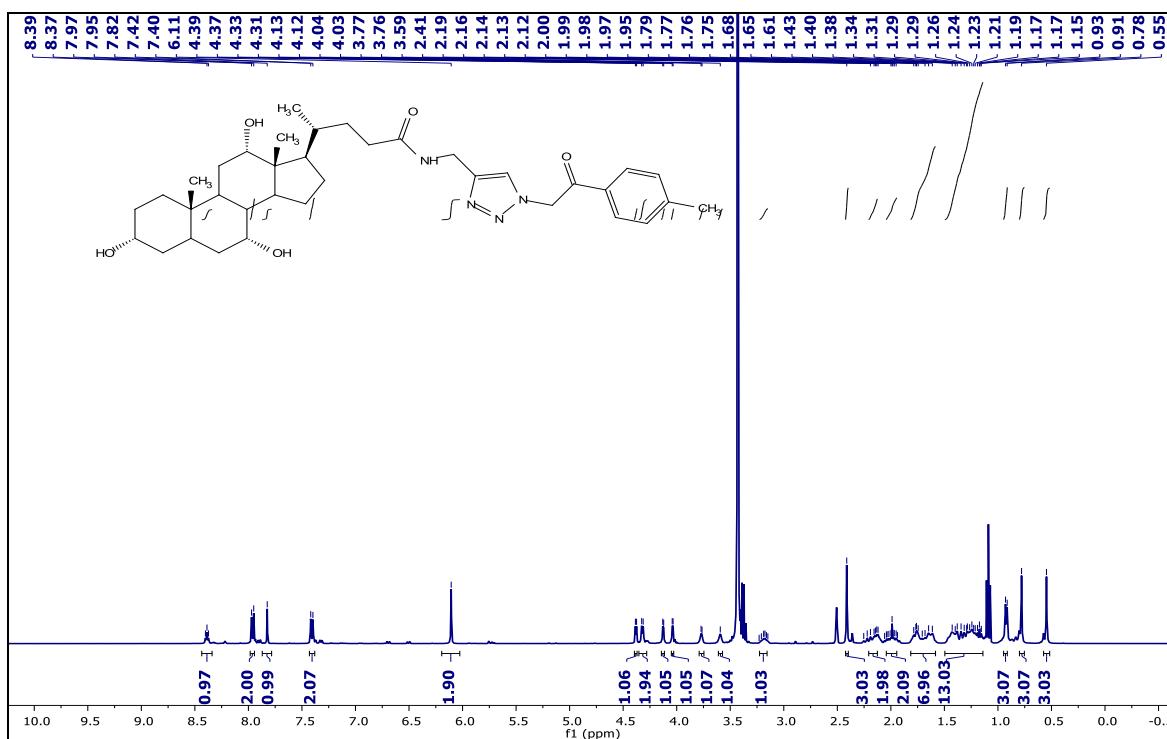
**<sup>1</sup>H NMR of 6bb**



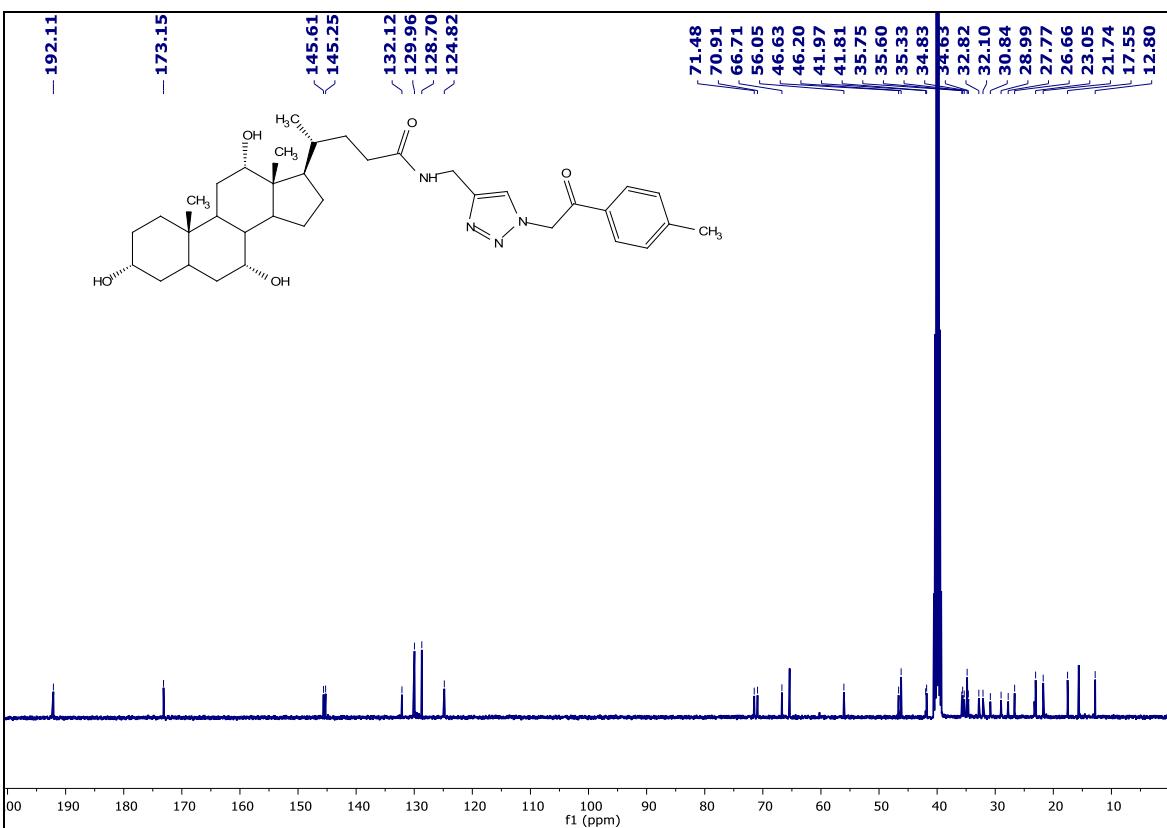
**<sup>13</sup>C NMR of 6bb**



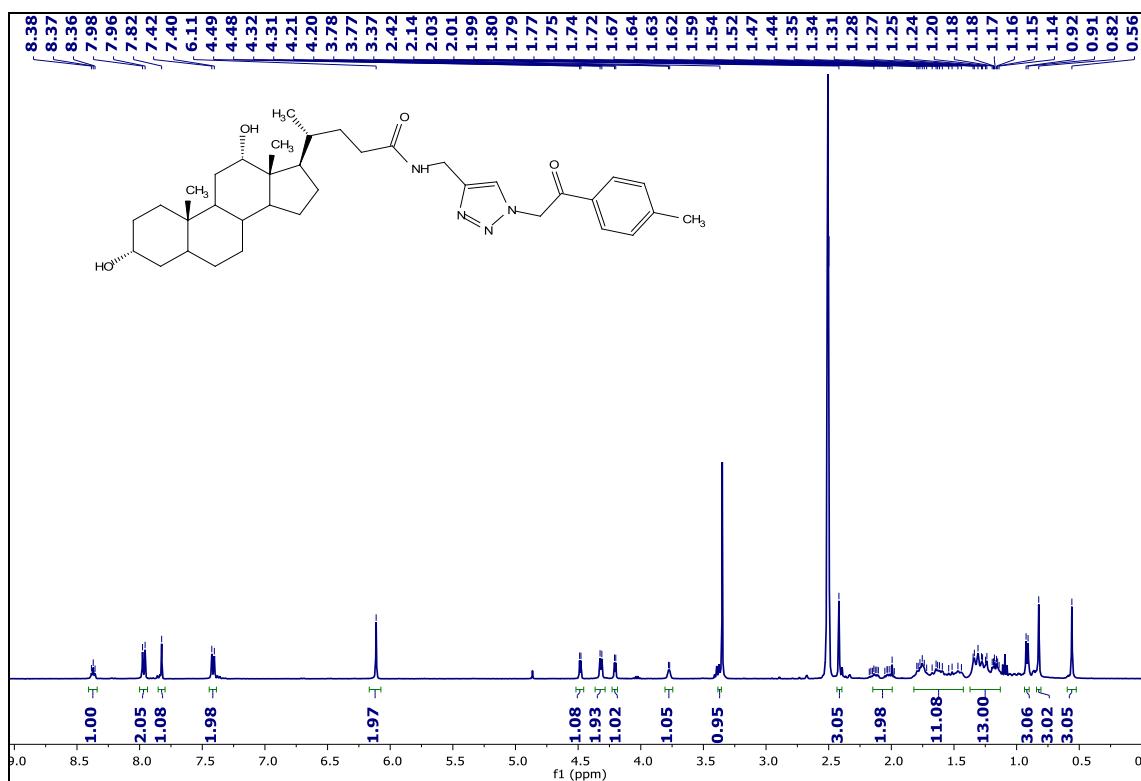
**<sup>1</sup>H NMR of 6cb**



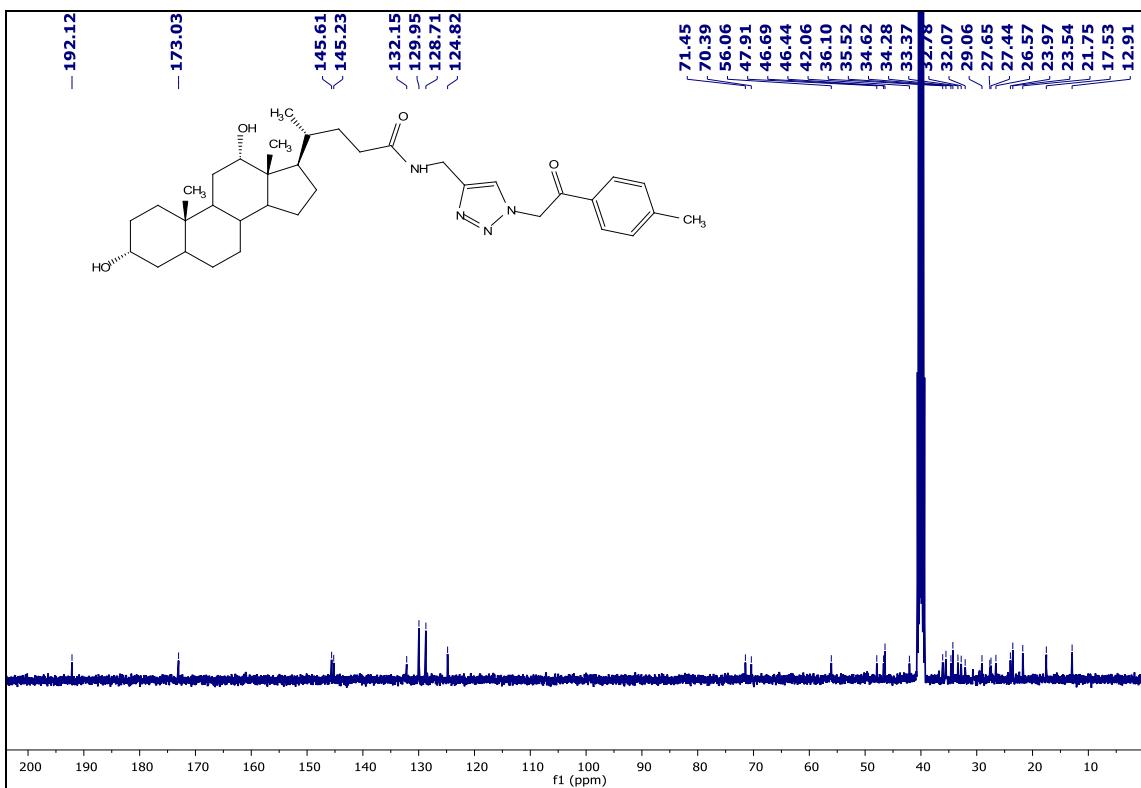
**<sup>13</sup>C NMR of 6cb**



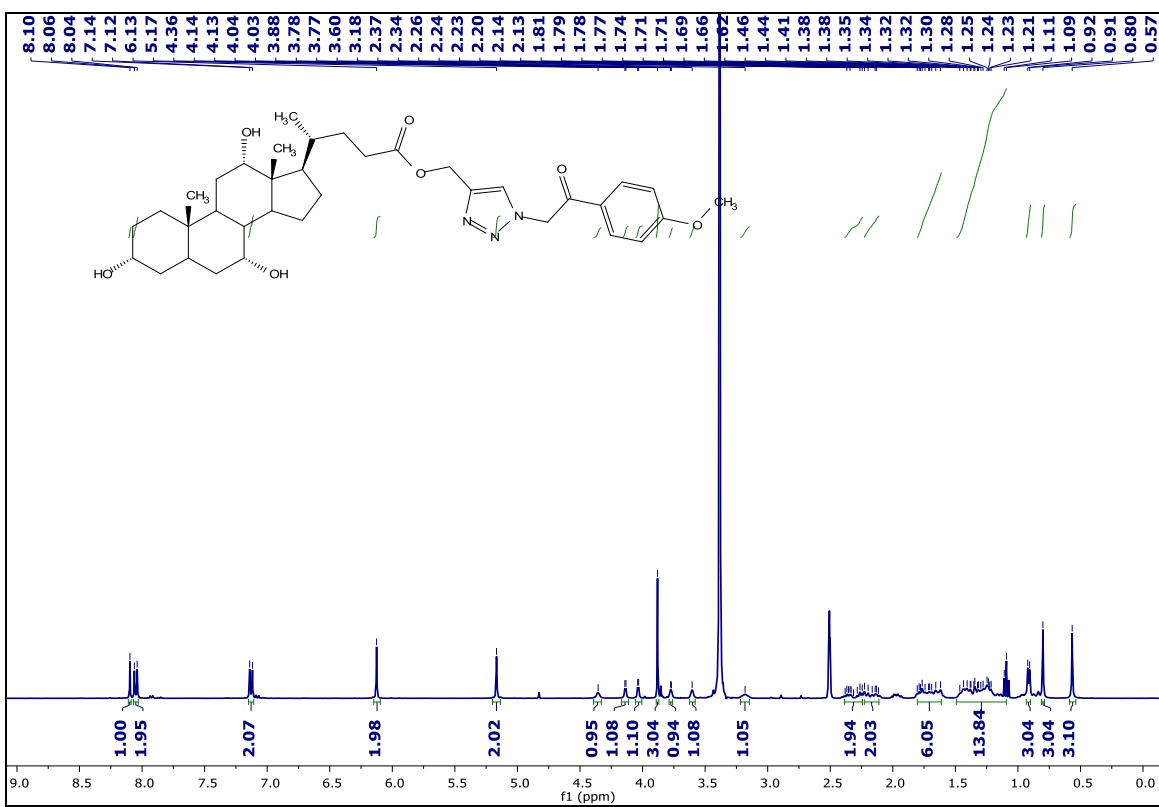
**<sup>1</sup>H NMR of 6db**



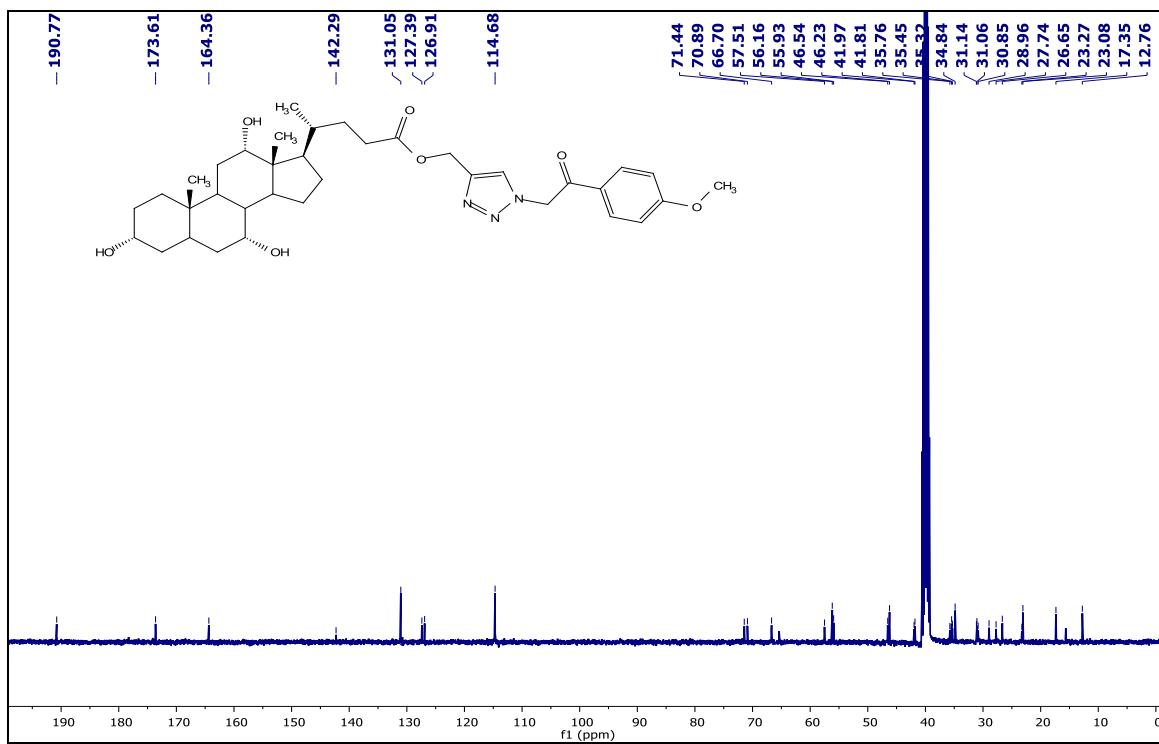
**<sup>13</sup>C NMR of 6db**



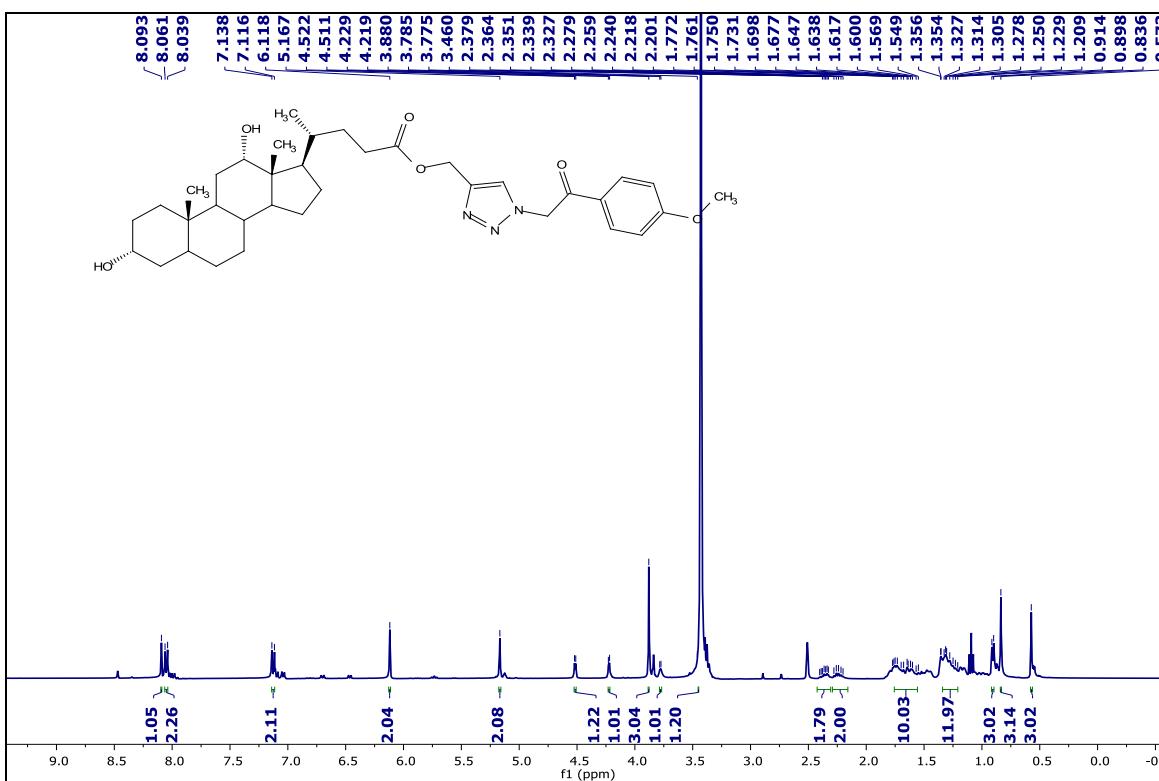
**<sup>1</sup>H NMR of 6ac**



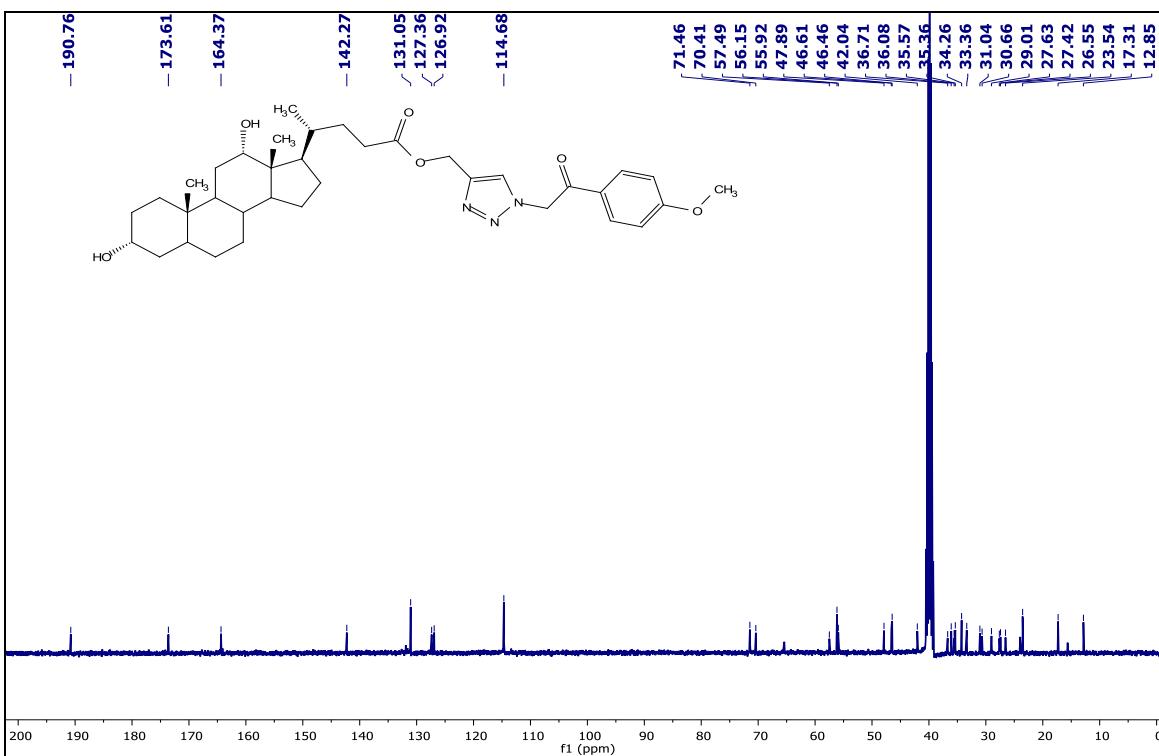
**<sup>13</sup>C NMR of 6ac**



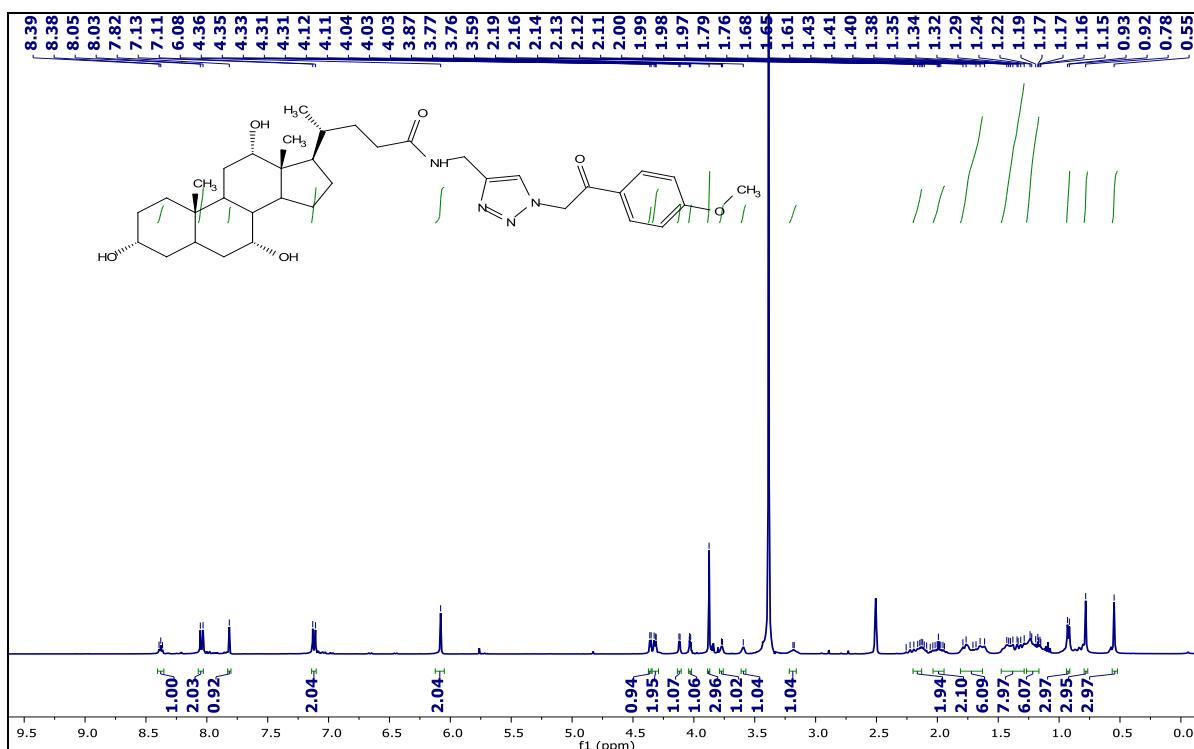
**<sup>1</sup>H NMR of 6bc**



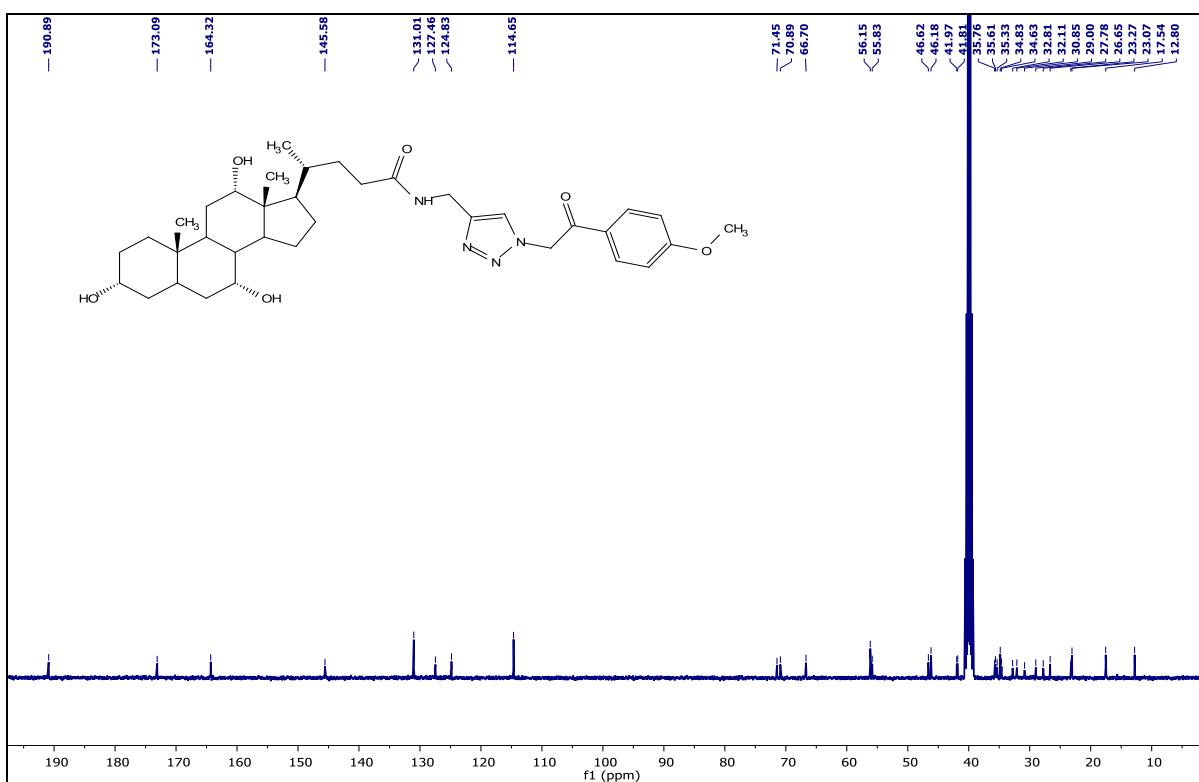
**<sup>13</sup>C NMR of 6bc**



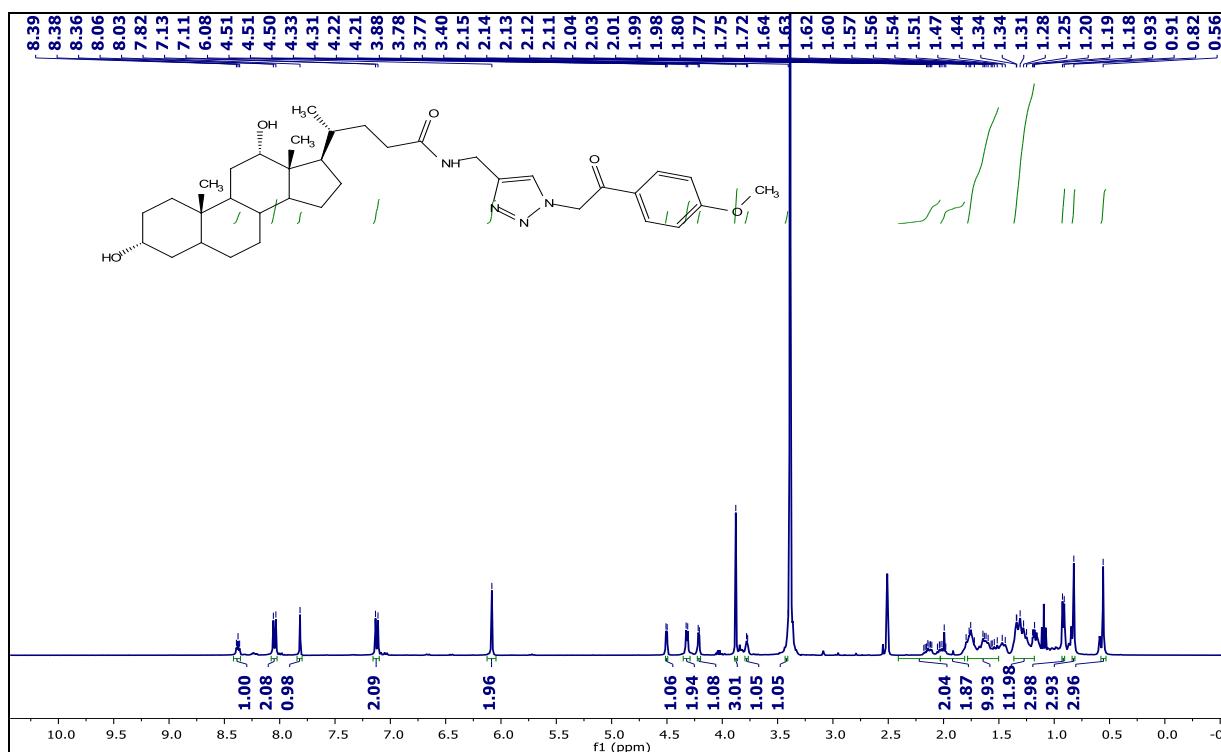
**<sup>1</sup>H NMR of 6cc**



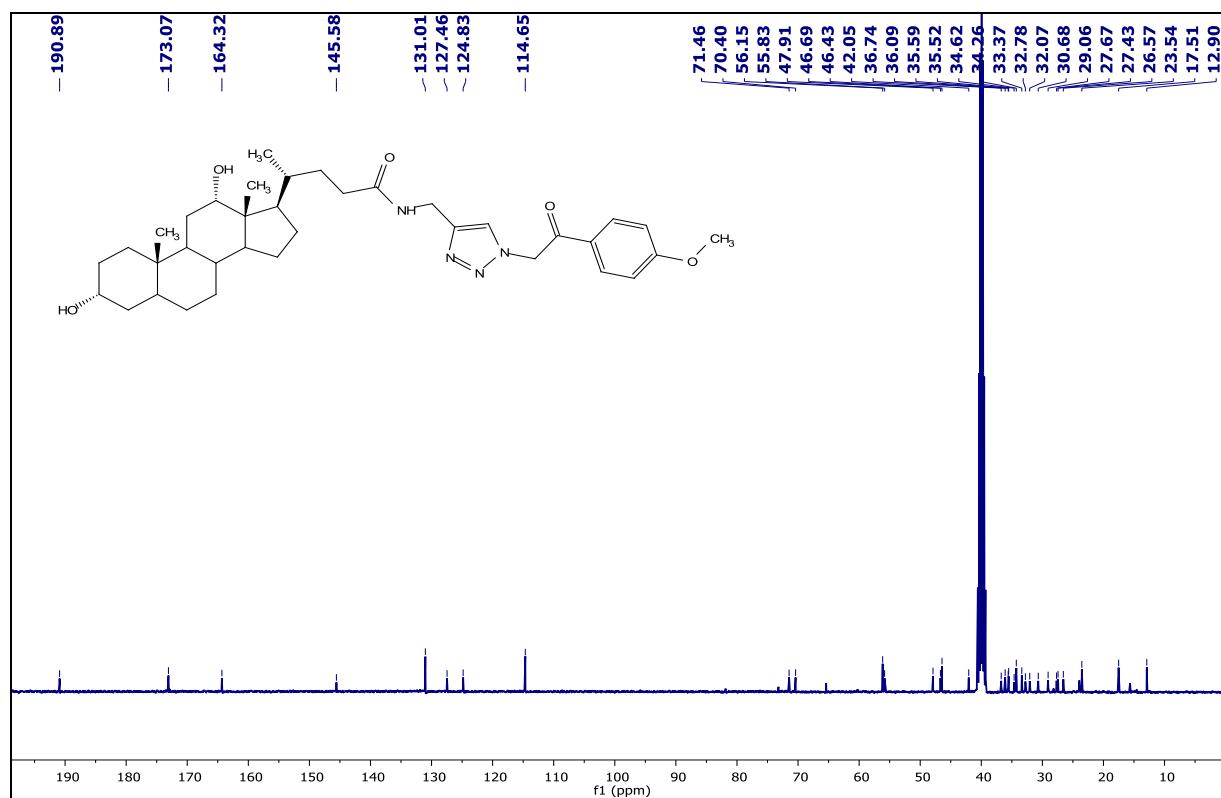
**<sup>13</sup>C NMR of 6cc**



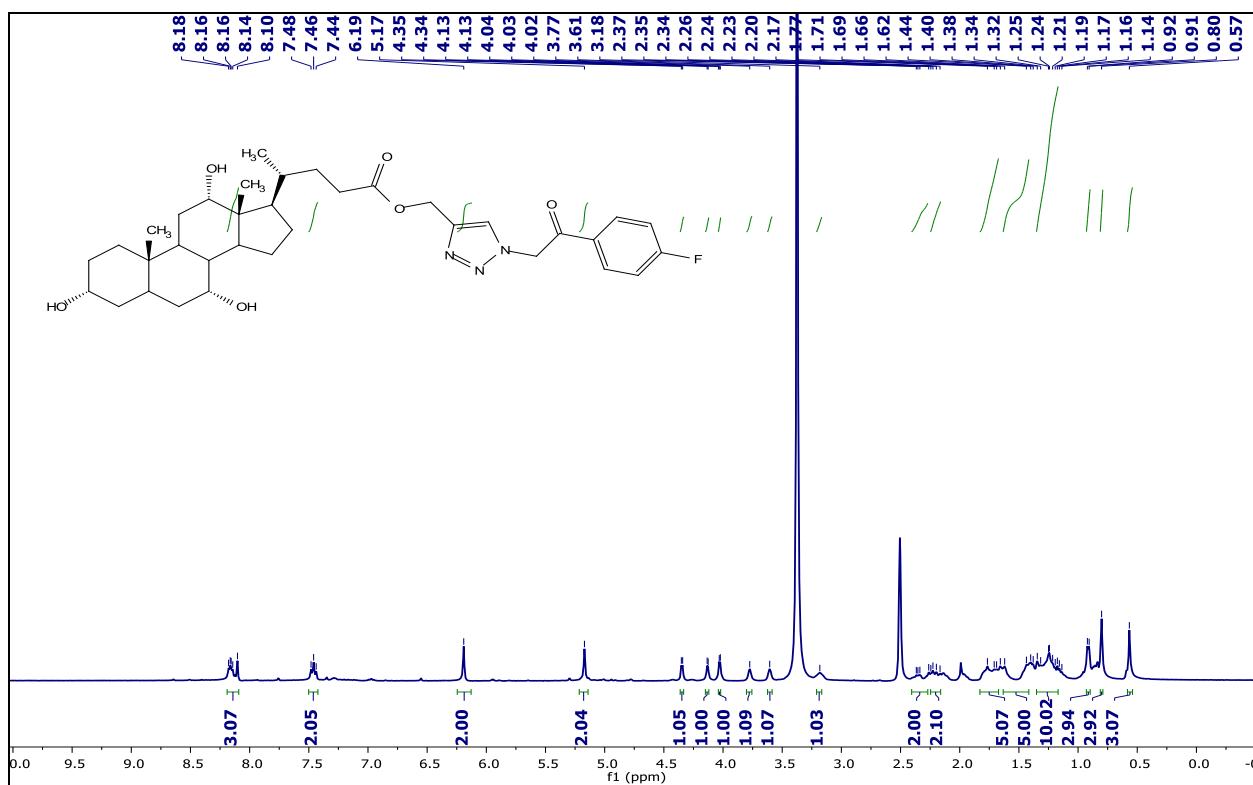
**<sup>1</sup>H NMR of 6dc**



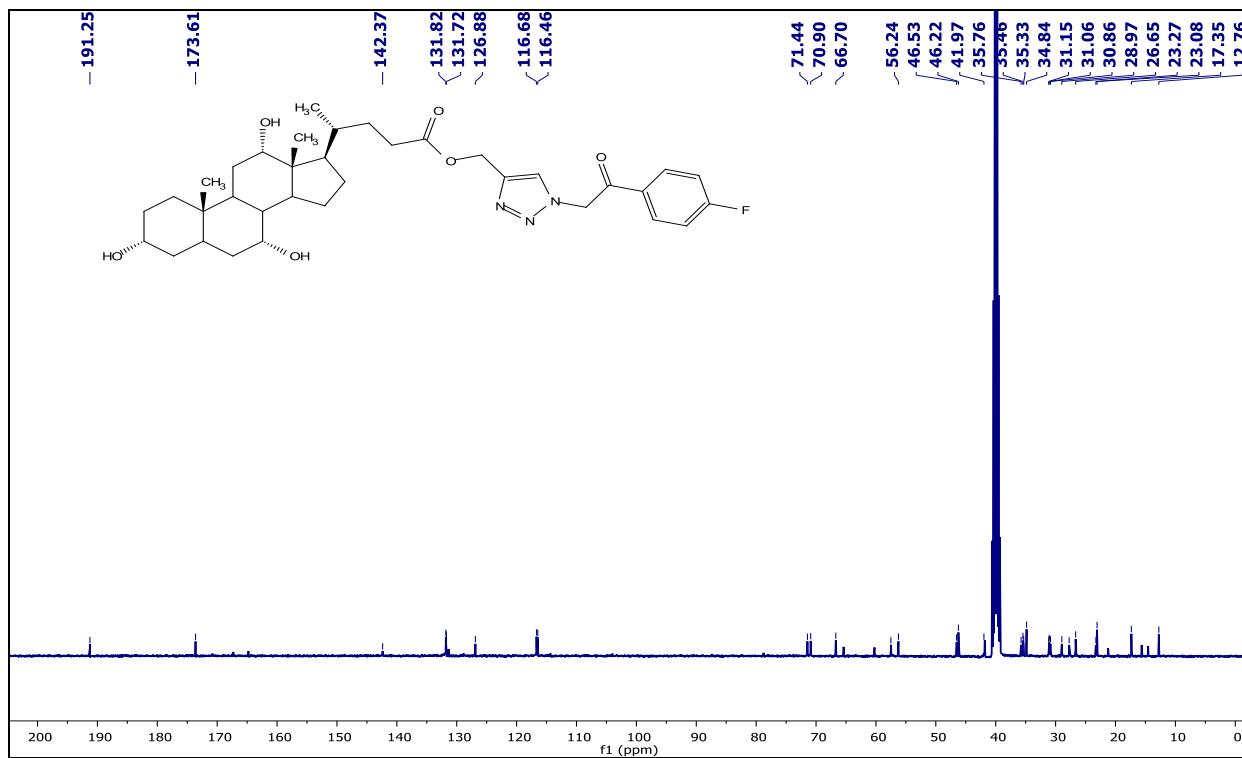
**<sup>13</sup>C NMR of 6dc**



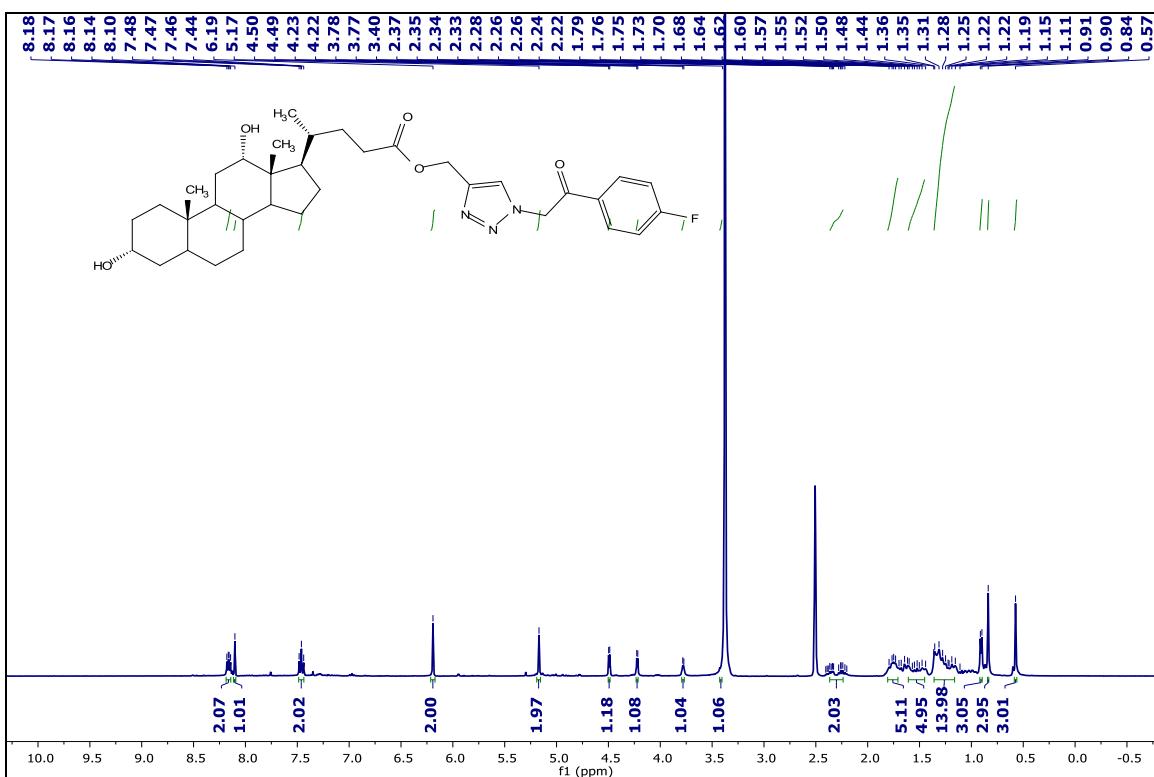
## **<sup>1</sup>H NMR of 6ad**



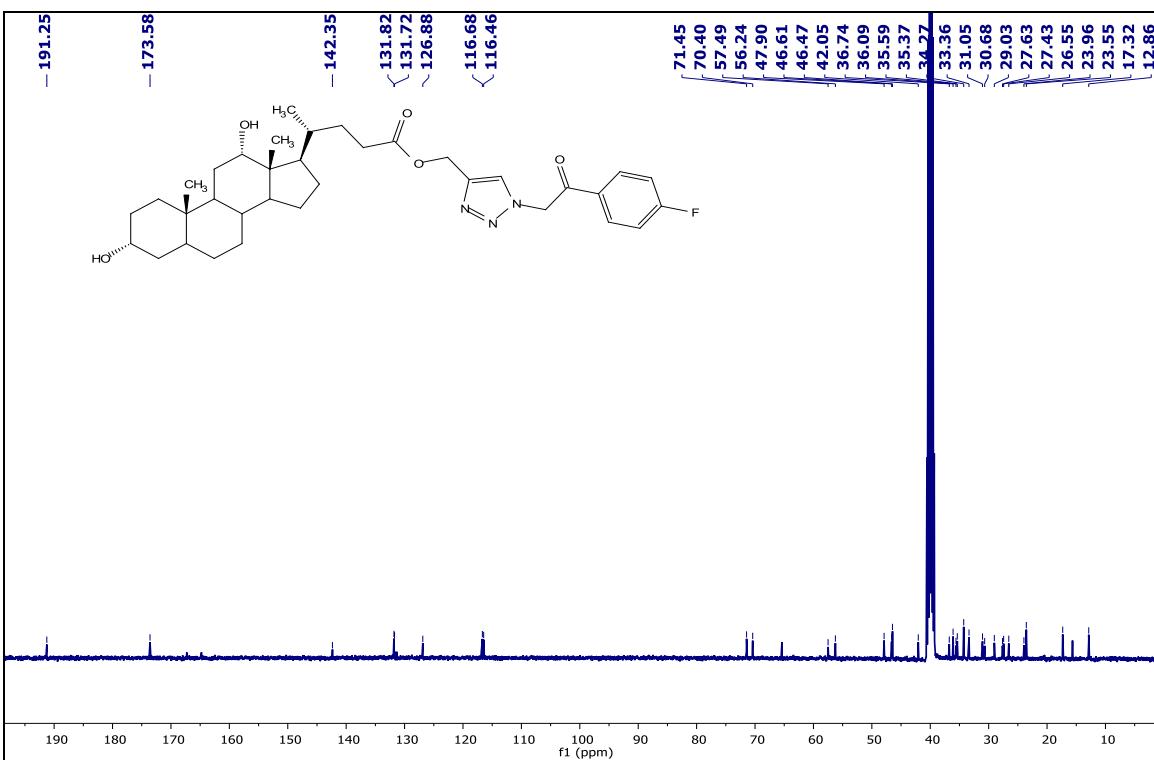
**<sup>13</sup>C NMR of 6ad**



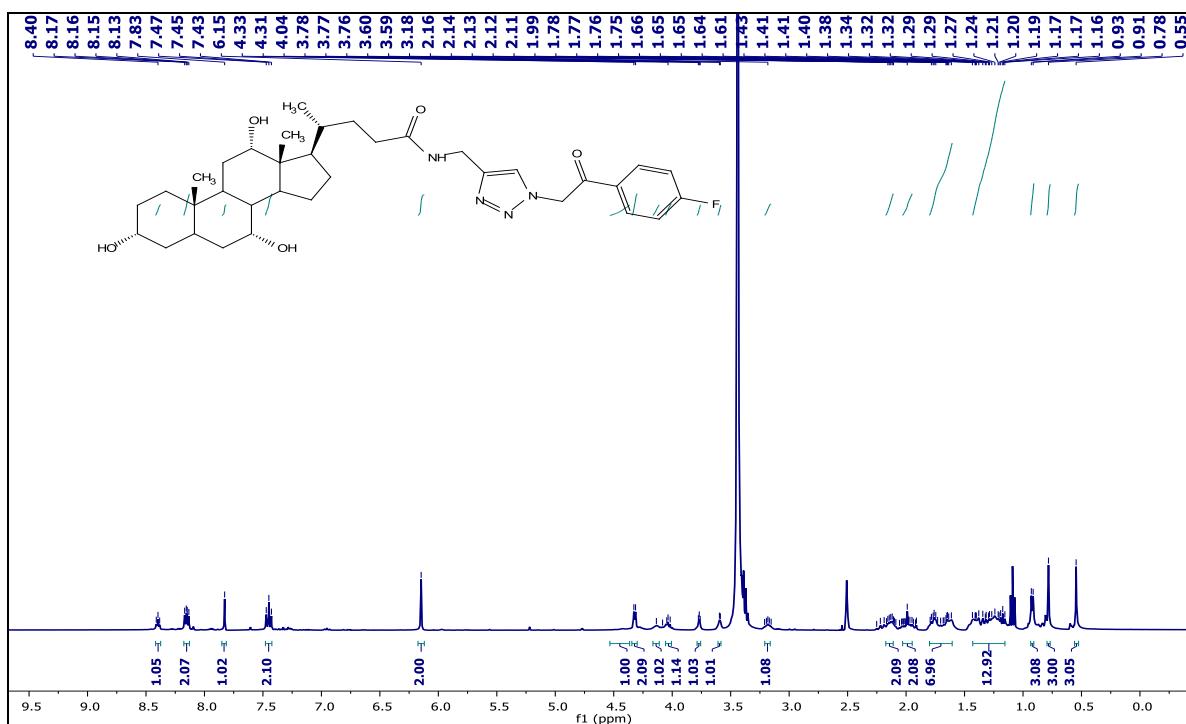
**<sup>1</sup>H NMR of 6bd**



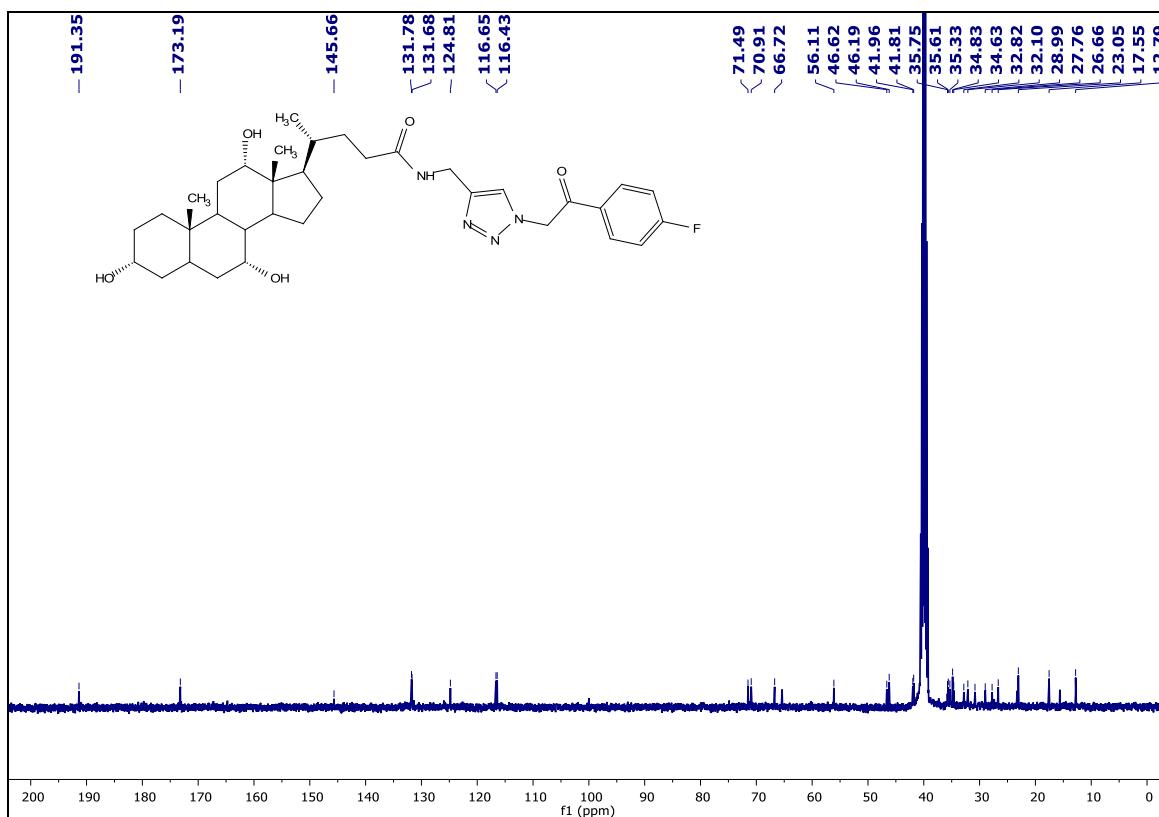
**<sup>13</sup>C NMR of 6bd**



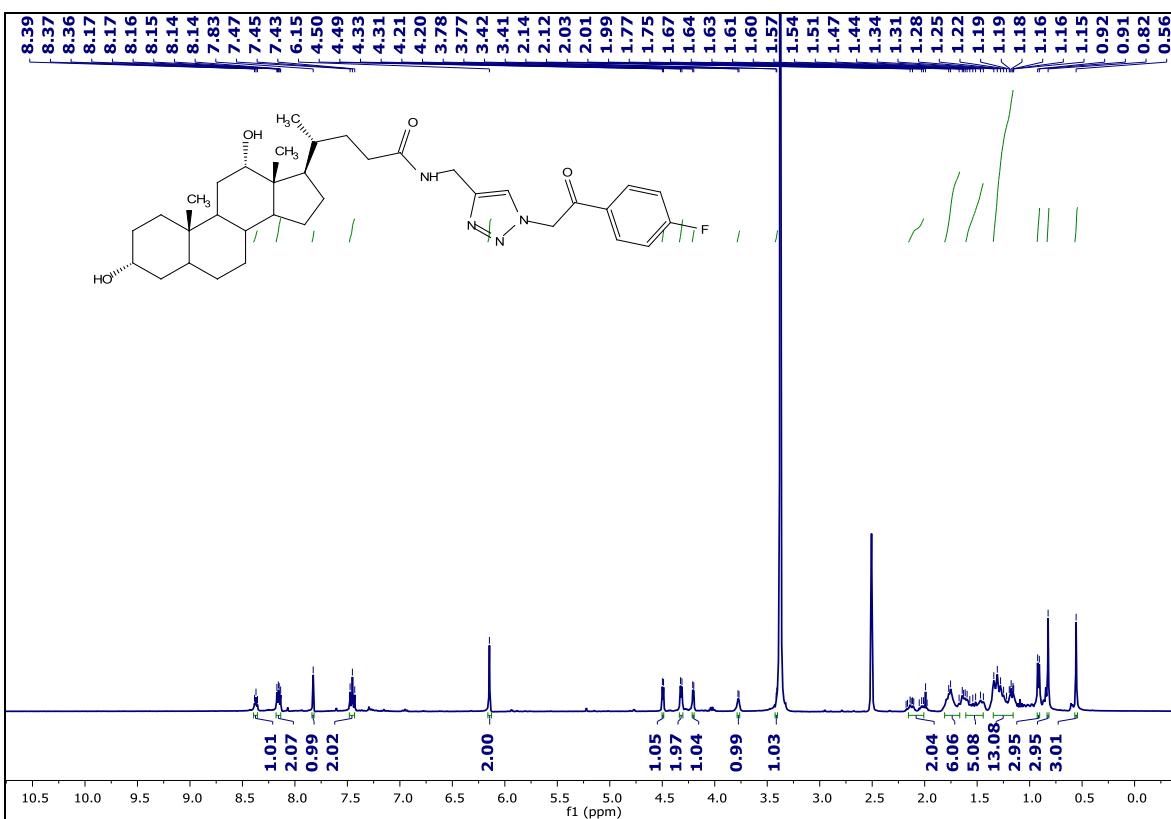
### **<sup>1</sup>H NMR of 6cd**



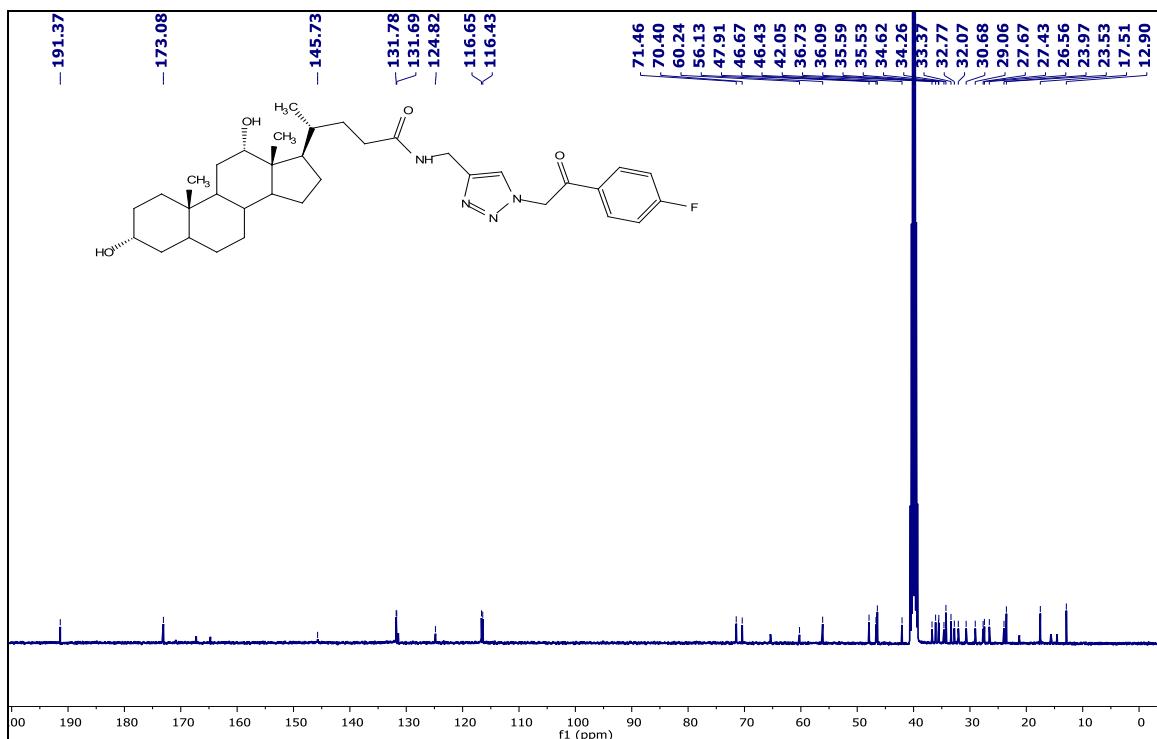
### **<sup>13</sup>C NMR of 6cd**



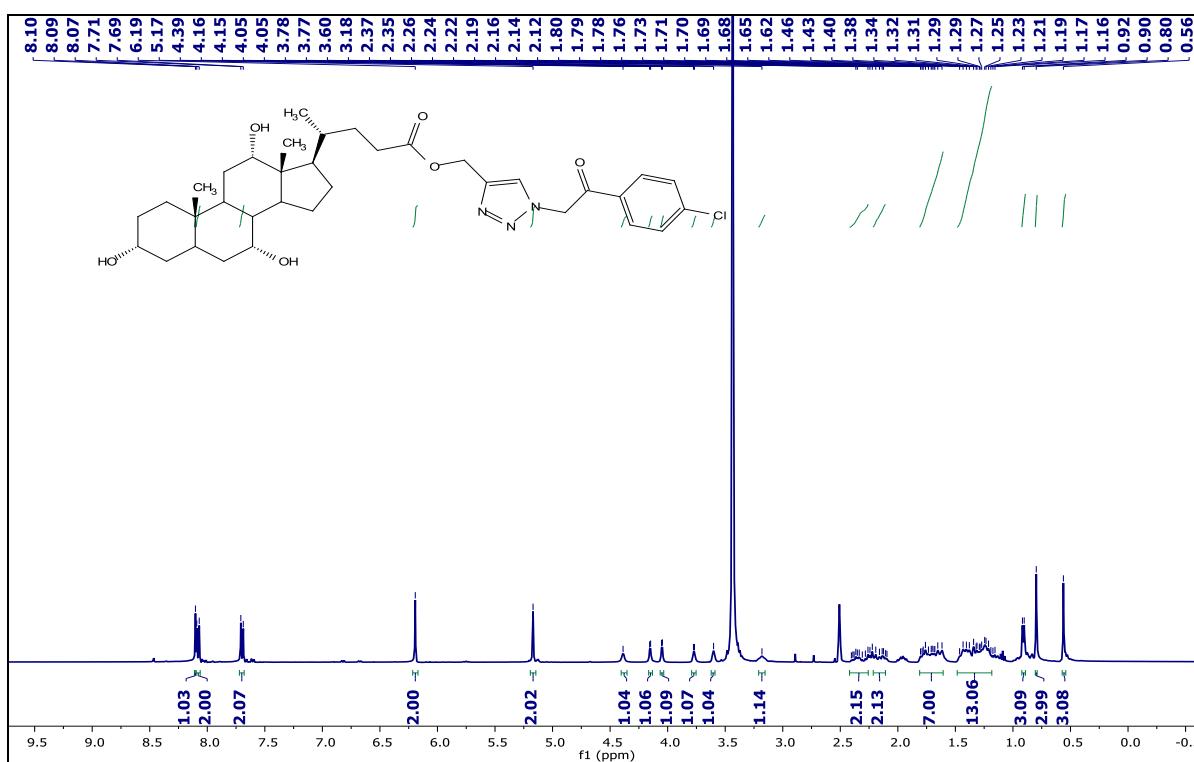
**<sup>1</sup>H NMR of 6dd**



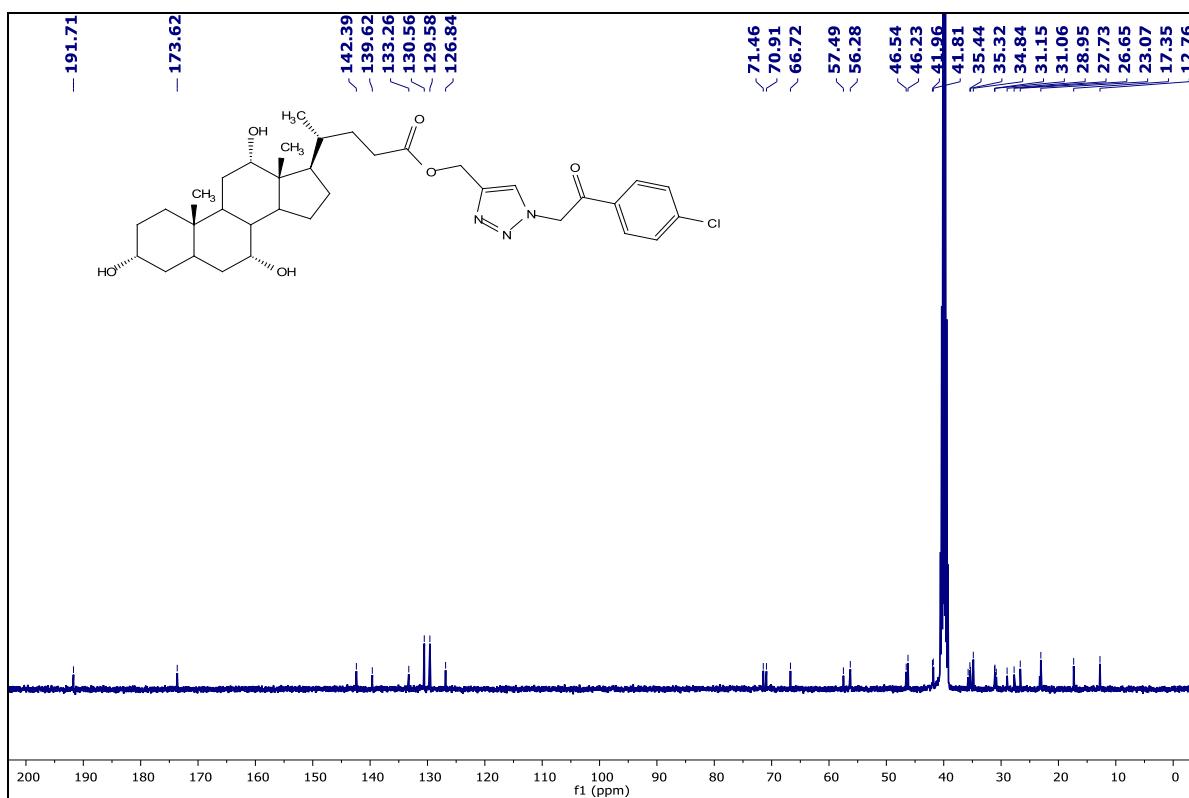
**<sup>13</sup>C NMR of 6dd**



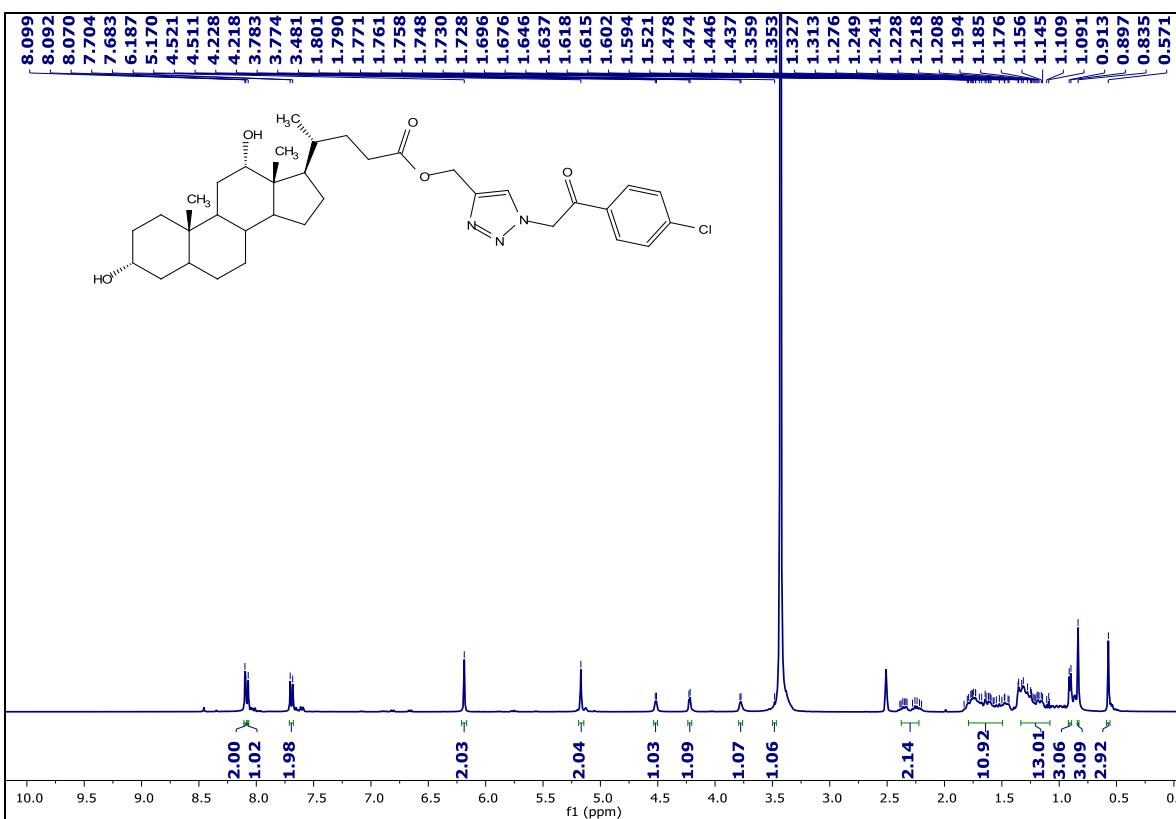
**<sup>1</sup>H NMR of 6ae**



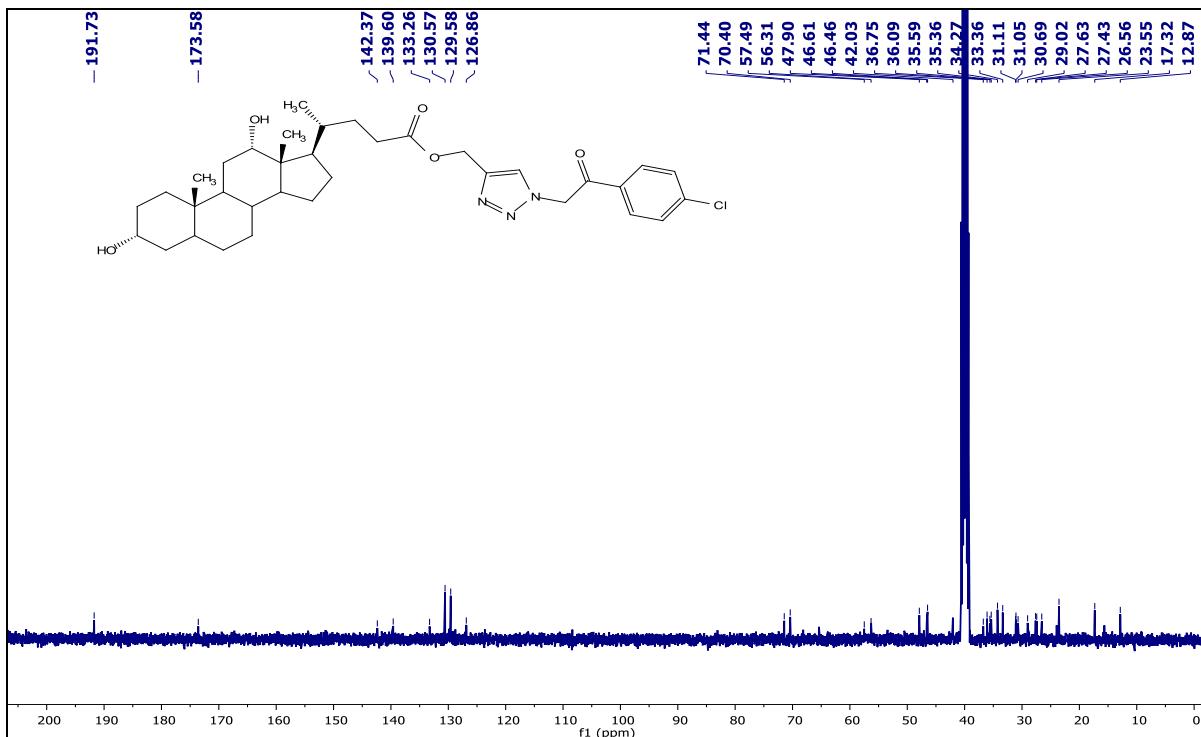
**<sup>13</sup>C NMR of 6ae**



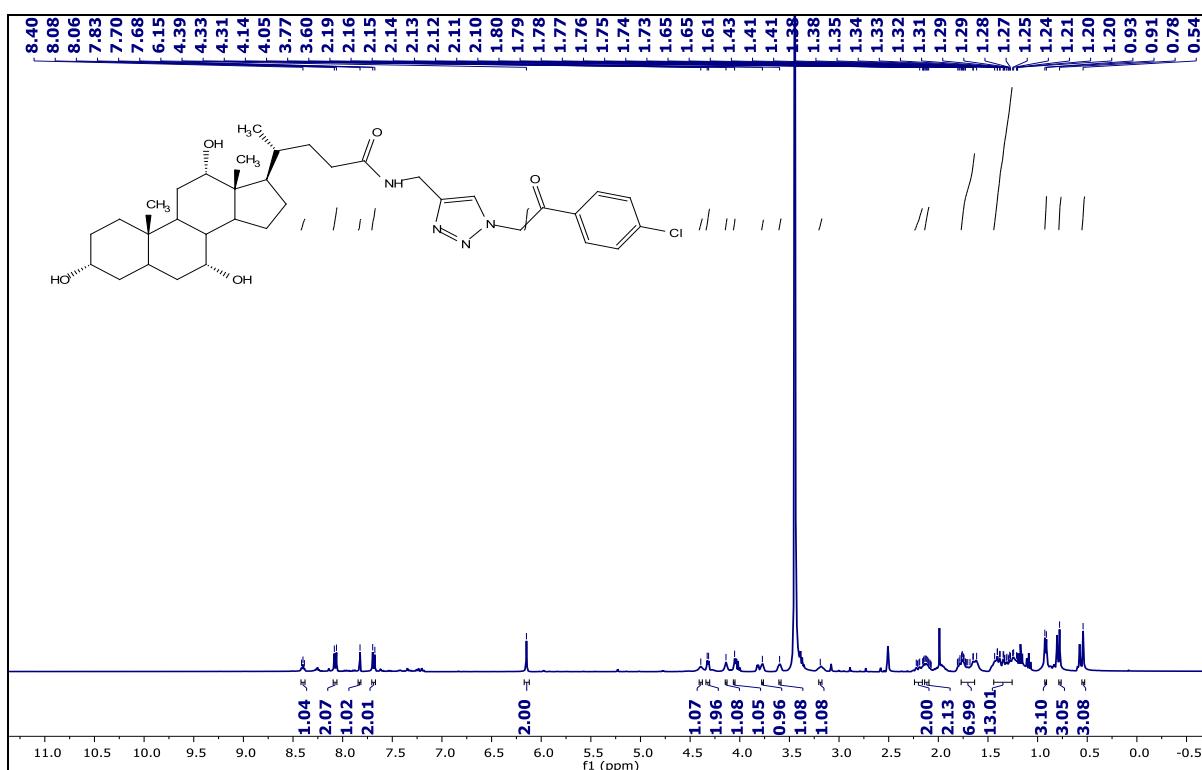
### **<sup>1</sup>H NMR of 6be**



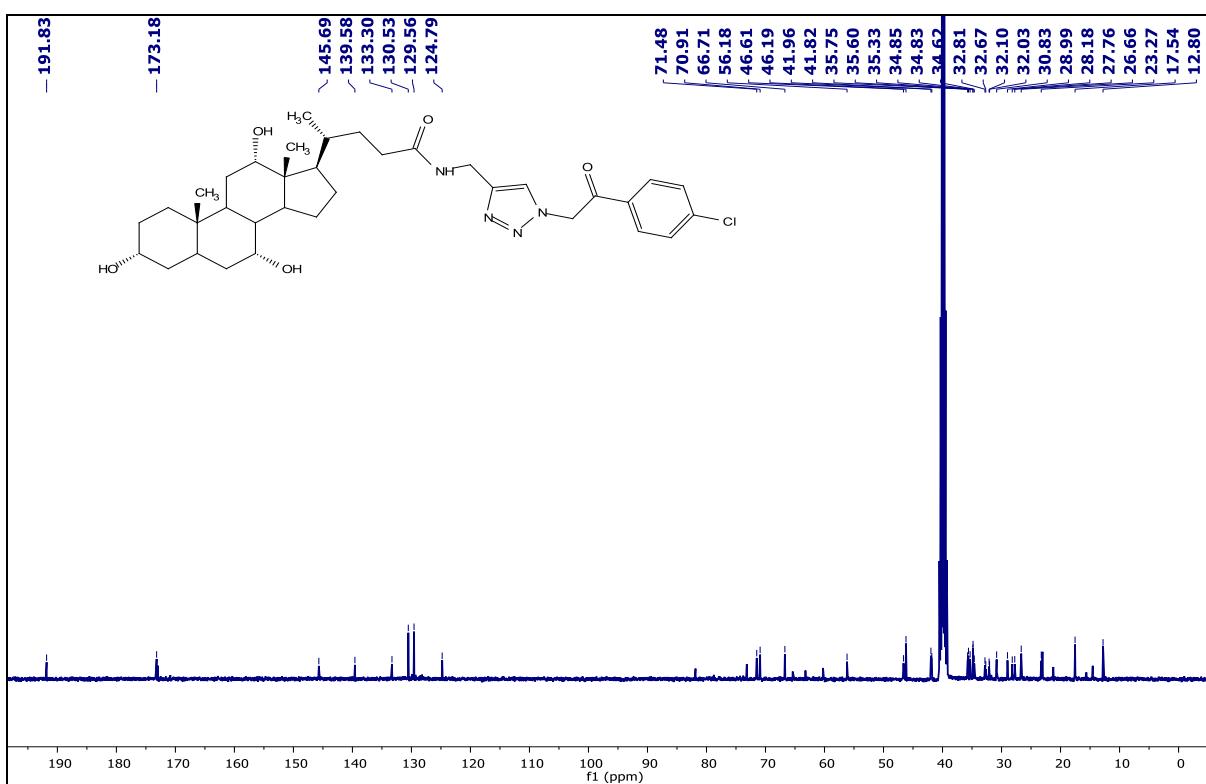
### **<sup>13</sup>C NMR of 6be**



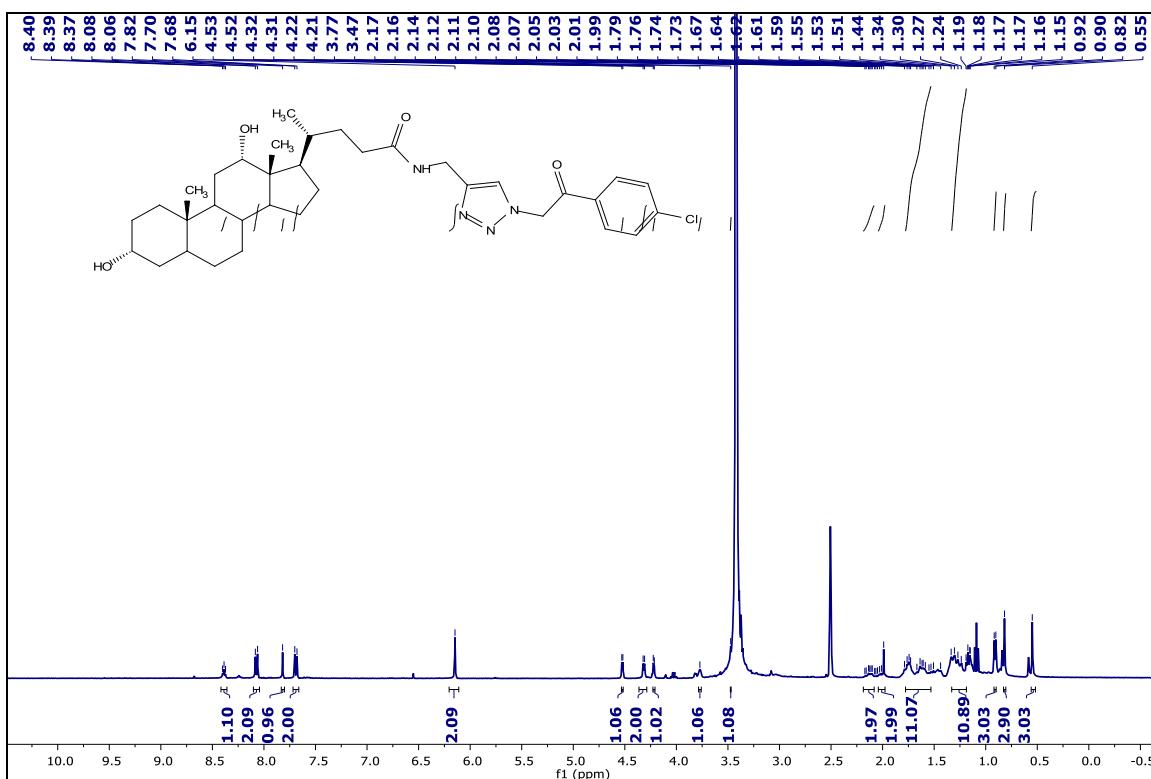
**<sup>1</sup>H NMR of 6ce**



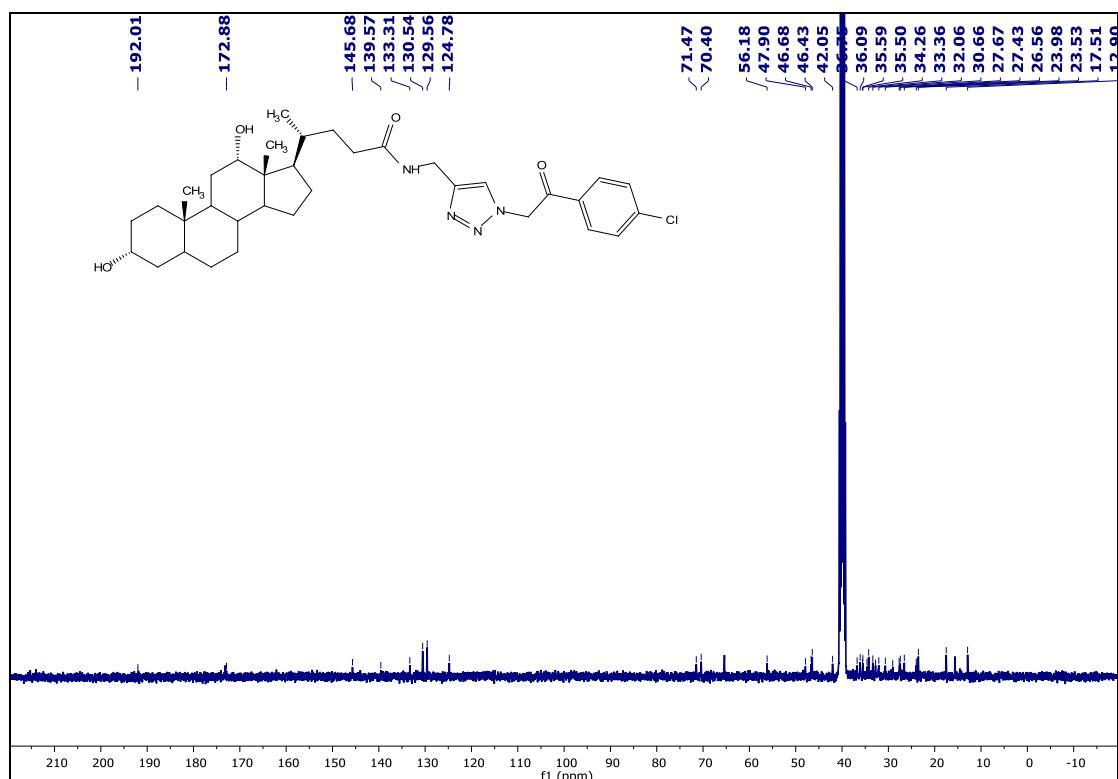
**<sup>13</sup>C NMR of 6ce**



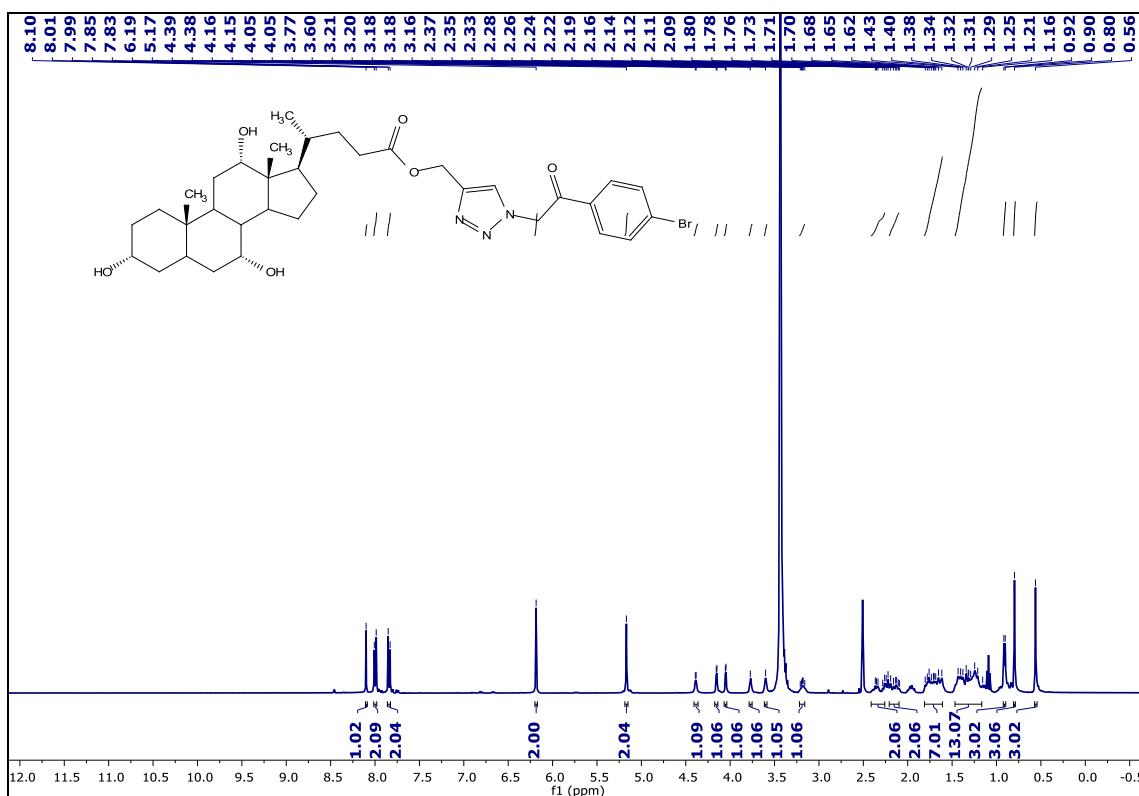
### **<sup>1</sup>H NMR of 6de**



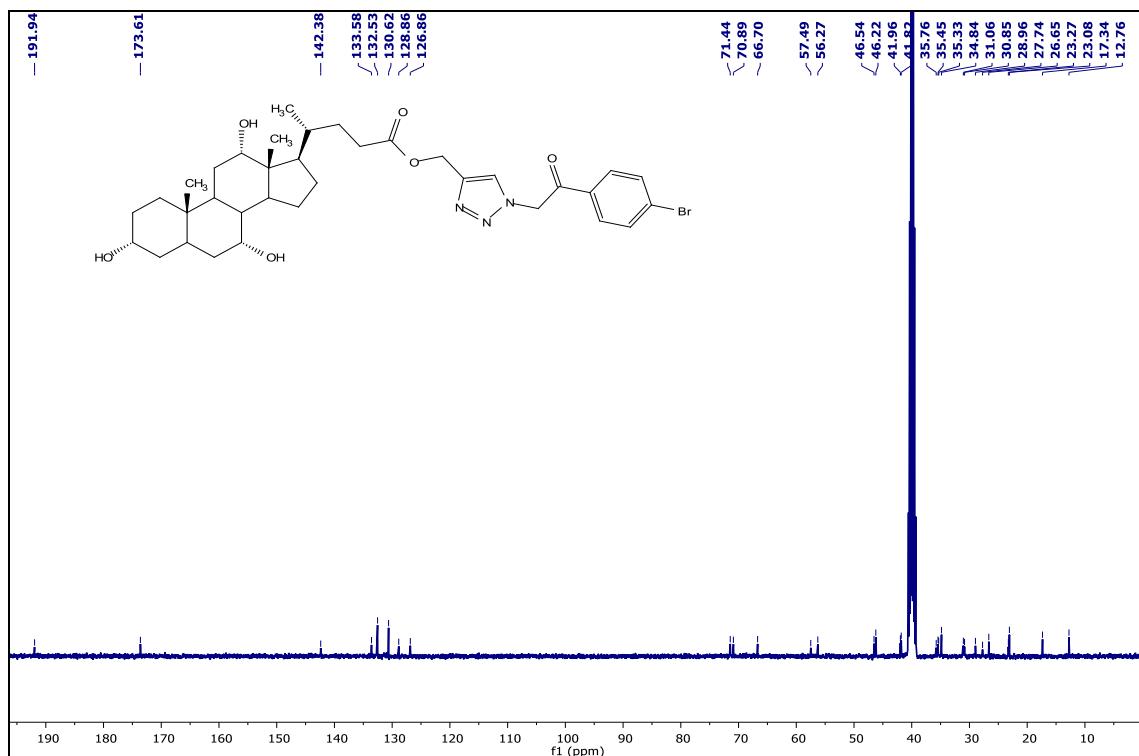
### **<sup>13</sup>C NMR of 6de**



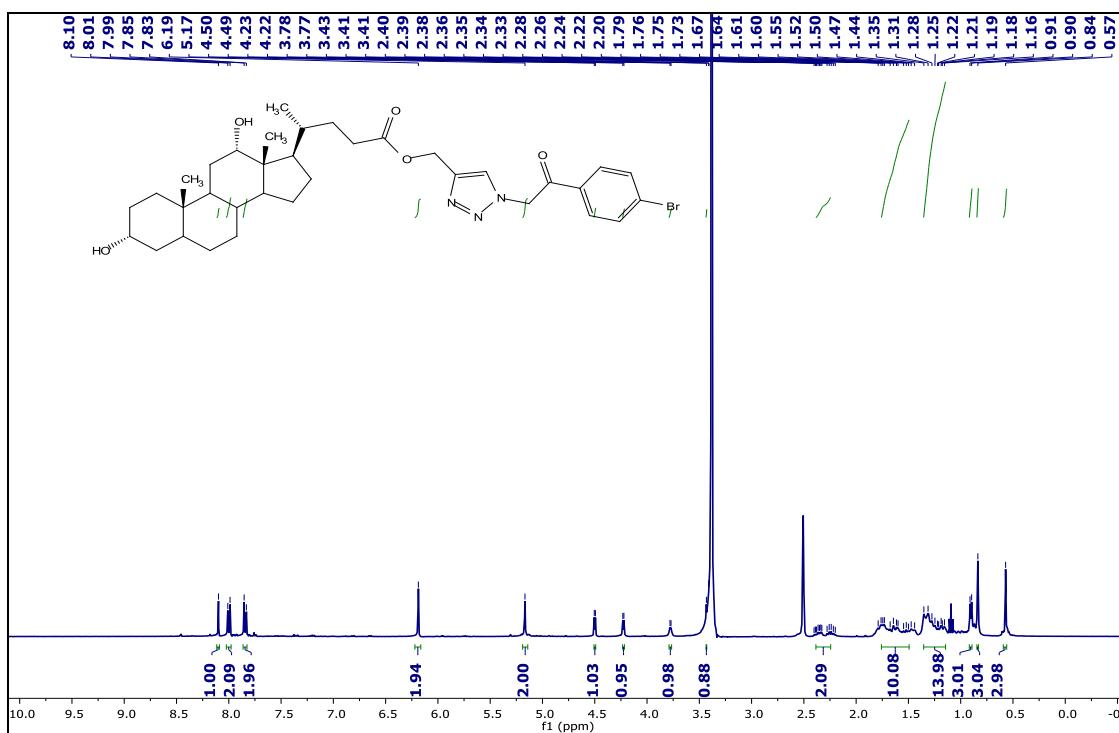
**<sup>1</sup>H NMR of 6af**



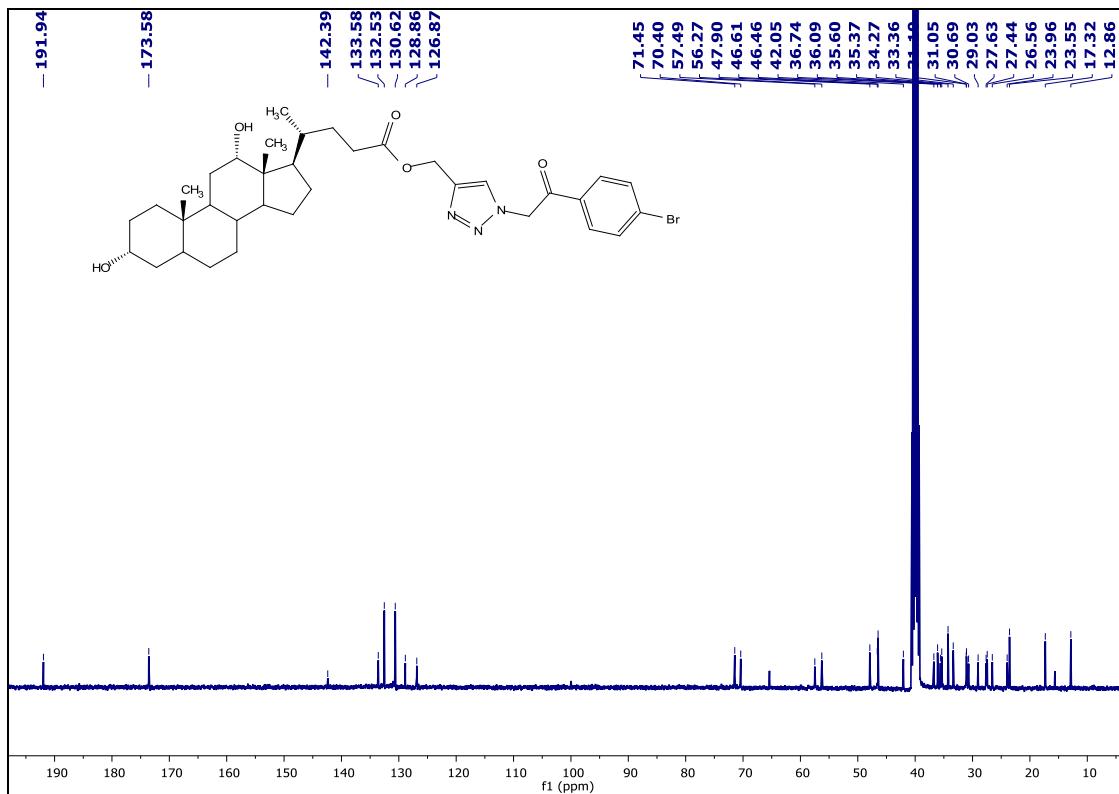
**<sup>13</sup>C NMR of 6af**



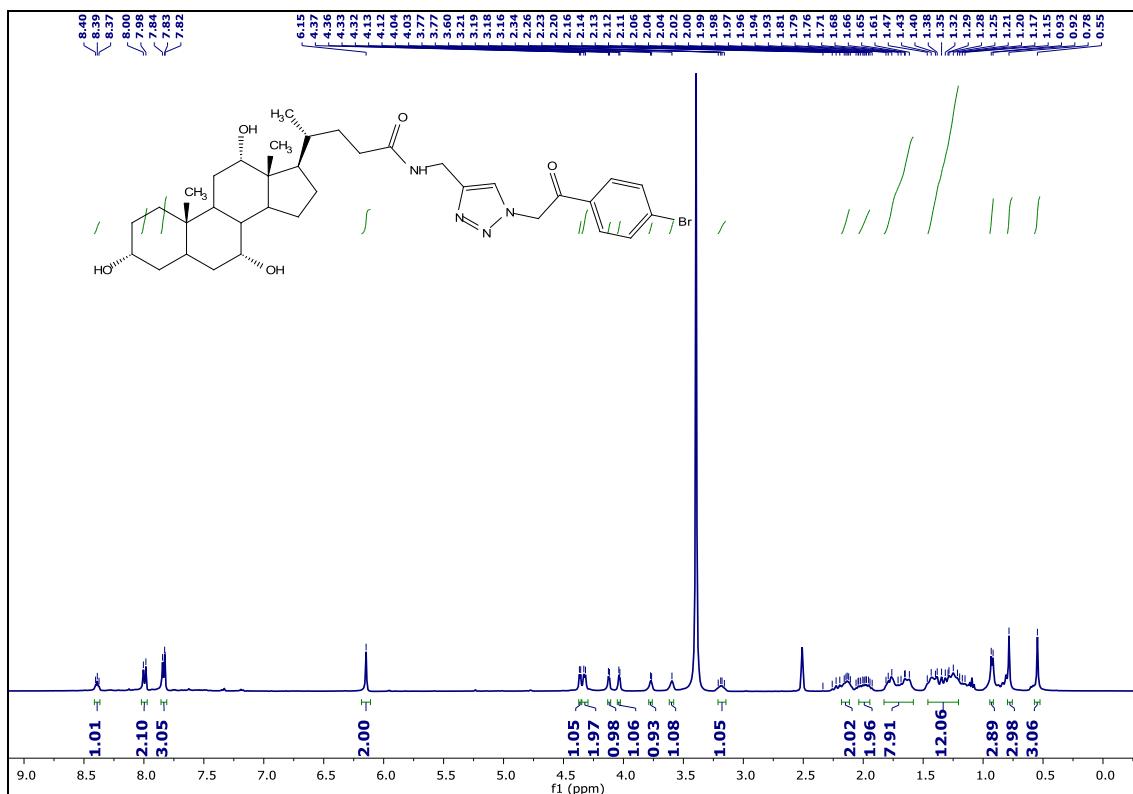
**<sup>1</sup>H NMR of 6bf**



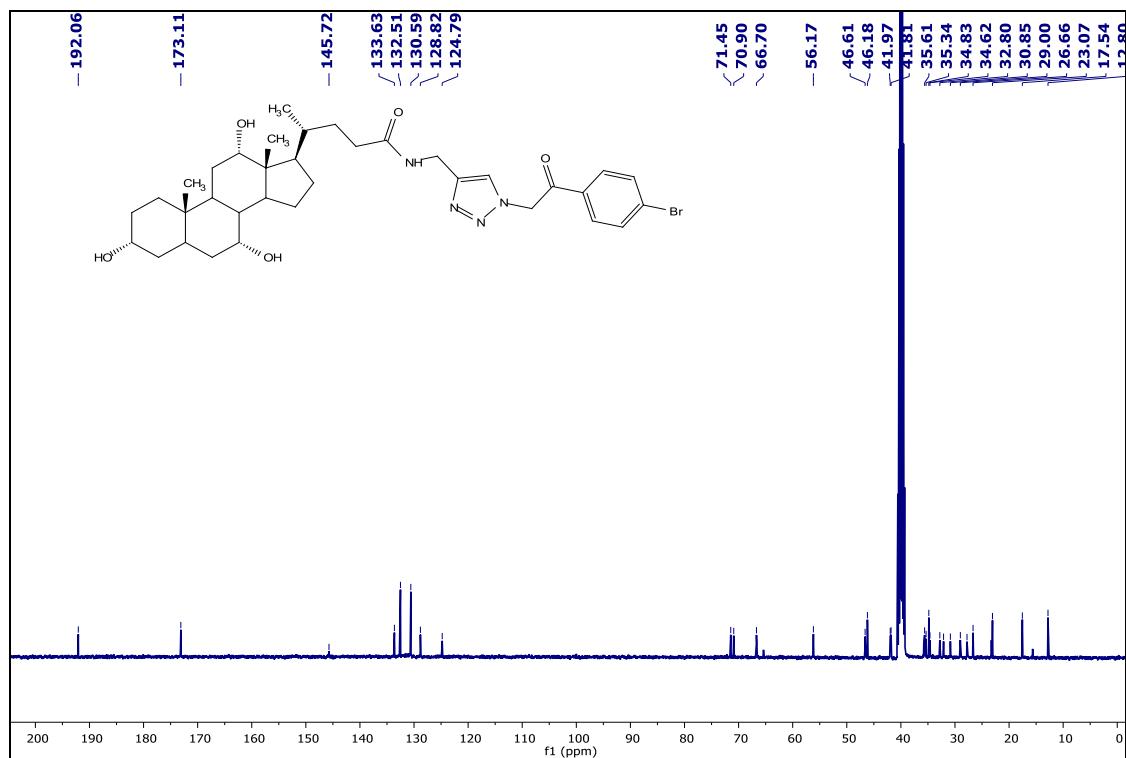
**<sup>13</sup>C NMR of 6bf**



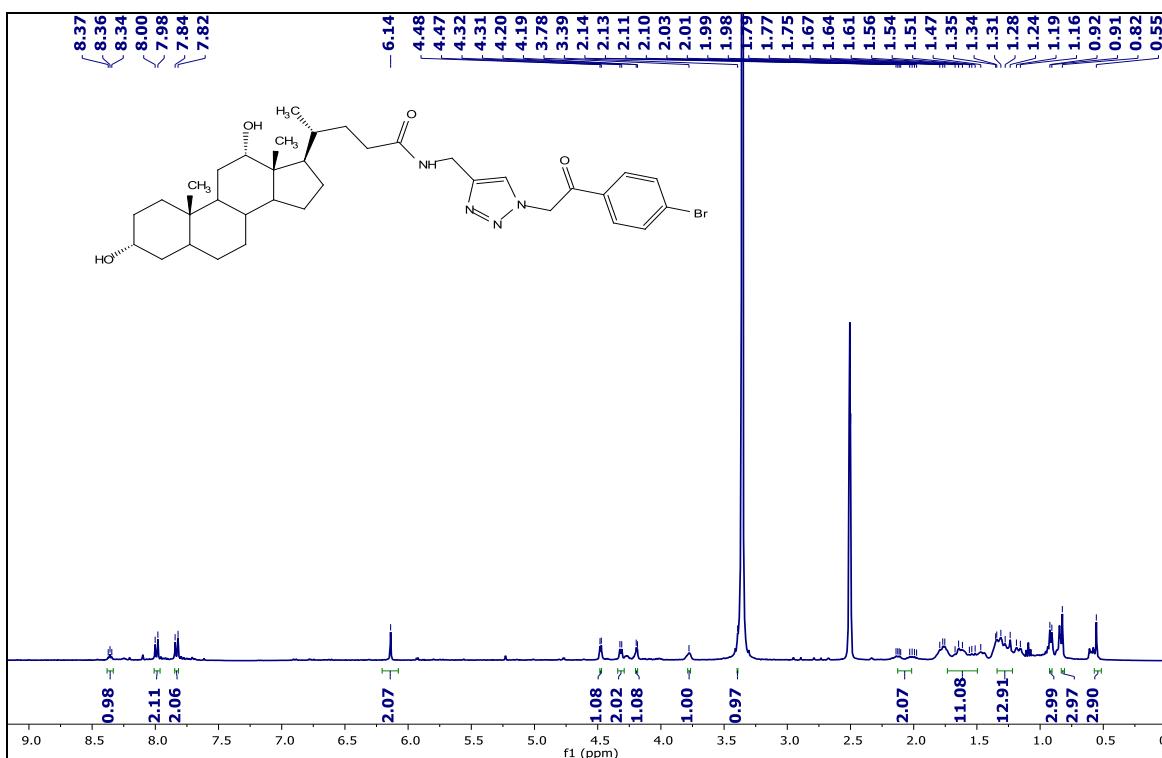
**<sup>1</sup>H NMR of 6cf**



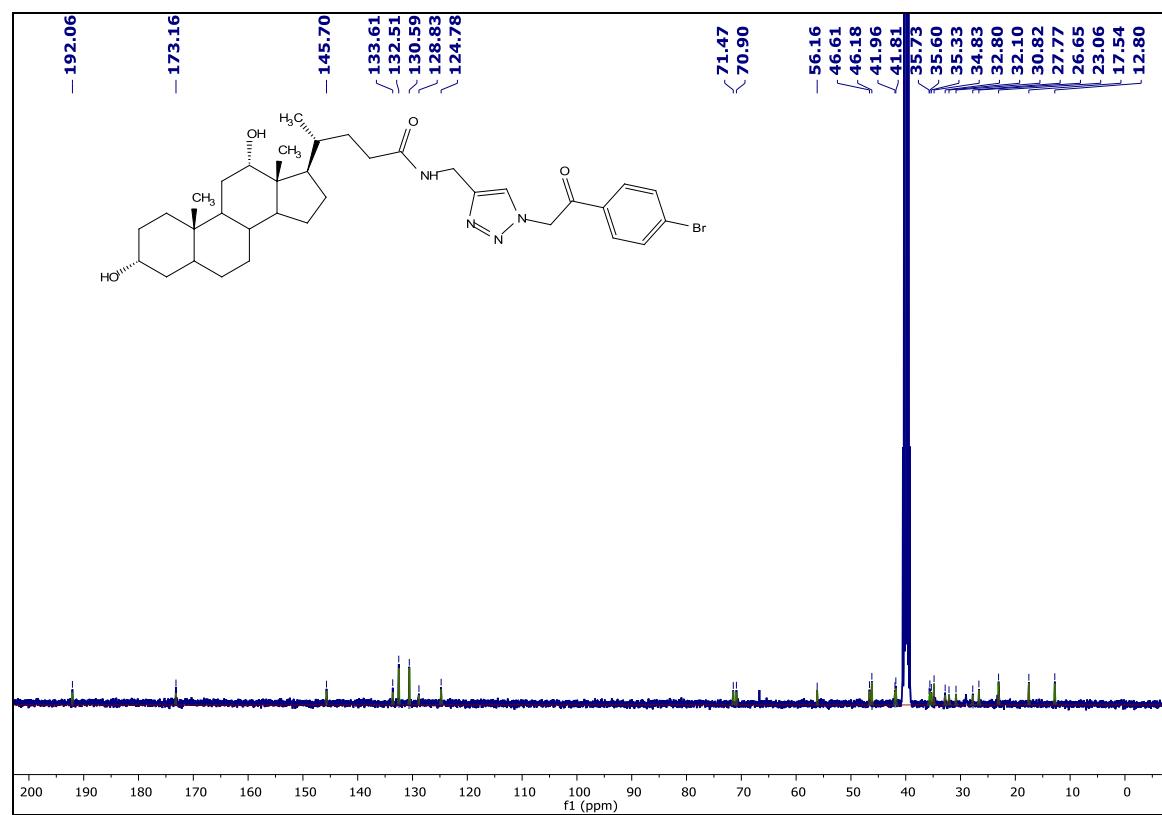
**<sup>13</sup>C NMR of 6cf**



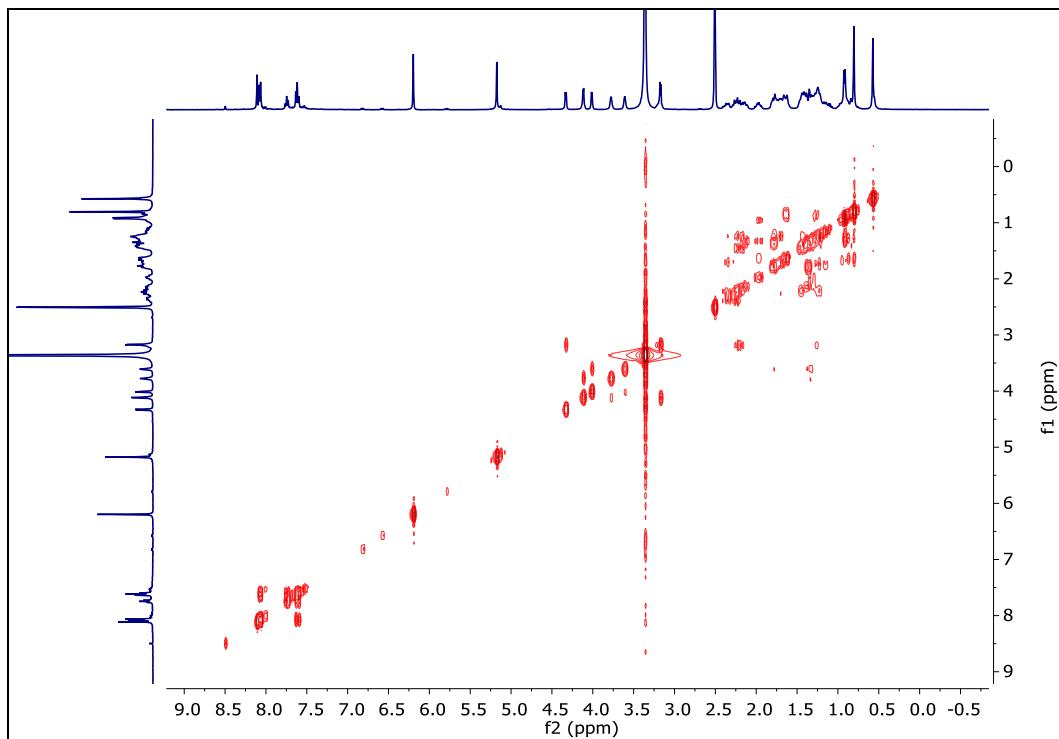
**<sup>1</sup>H NMR of 6df**



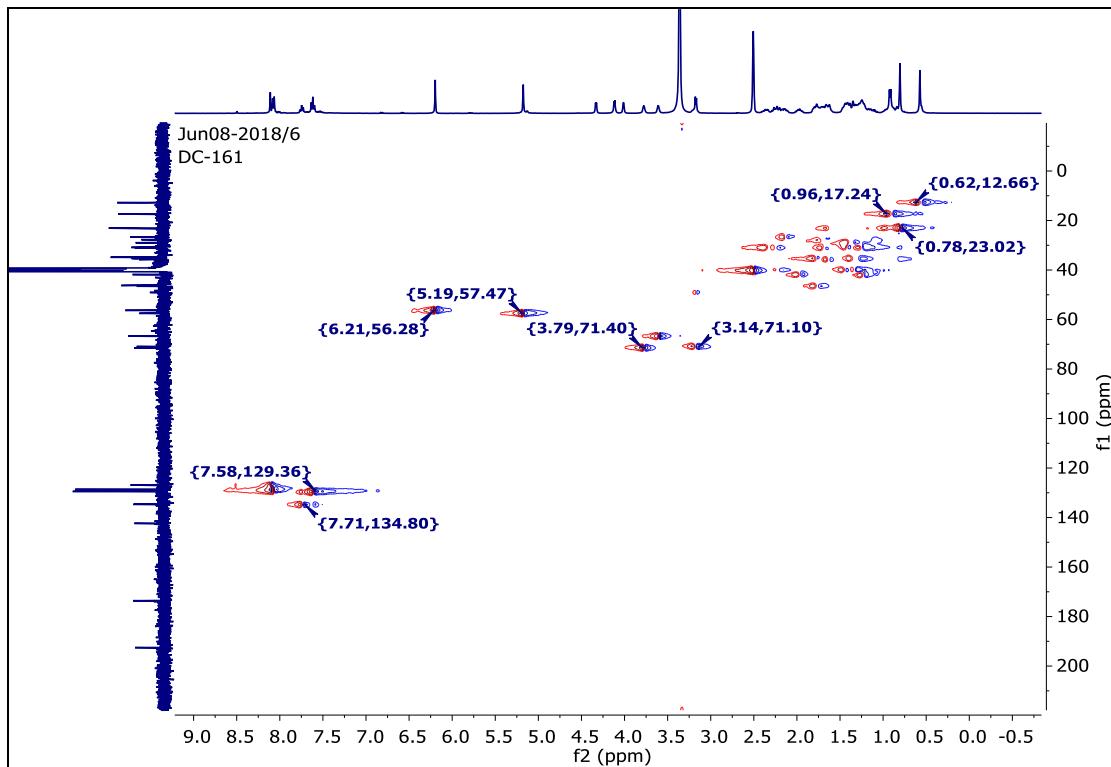
**<sup>13</sup>C NMR of 6df**



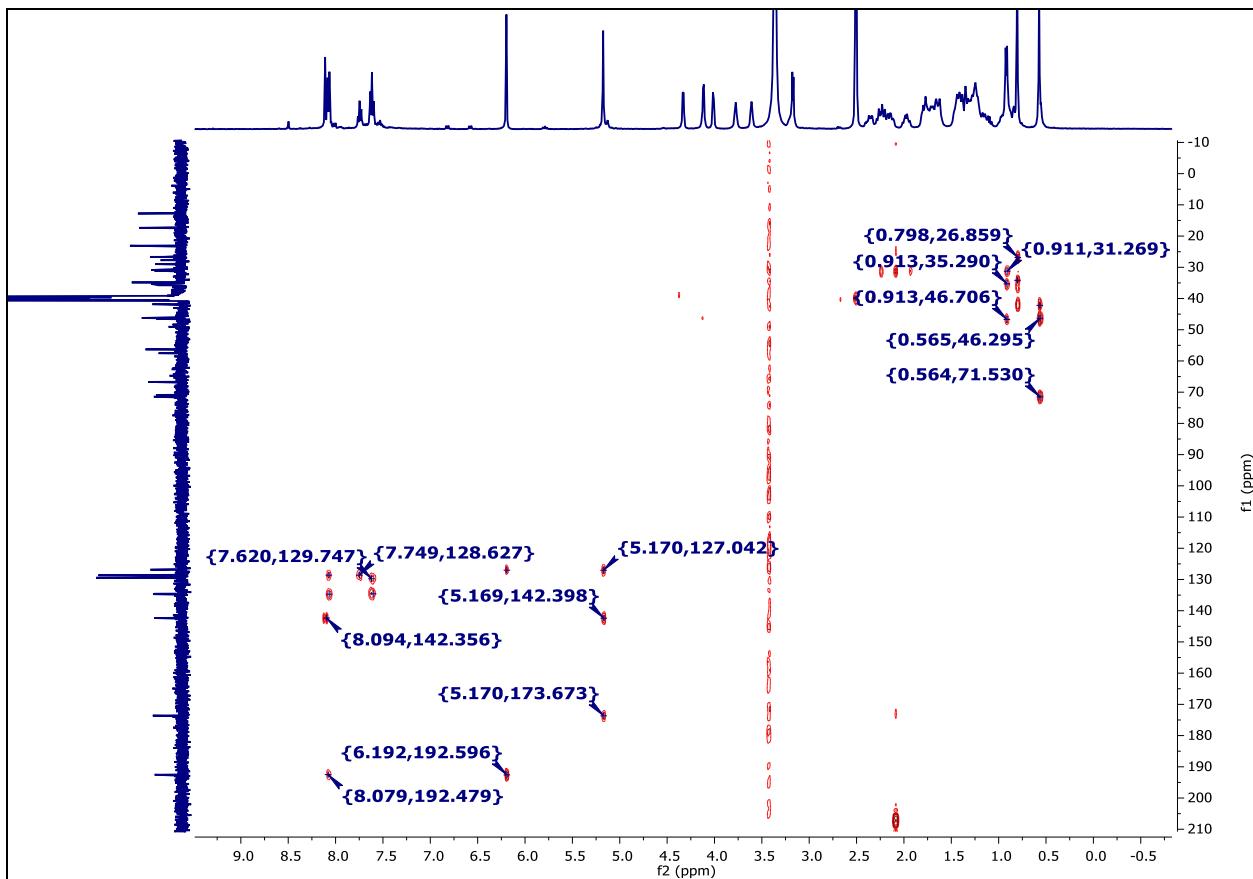
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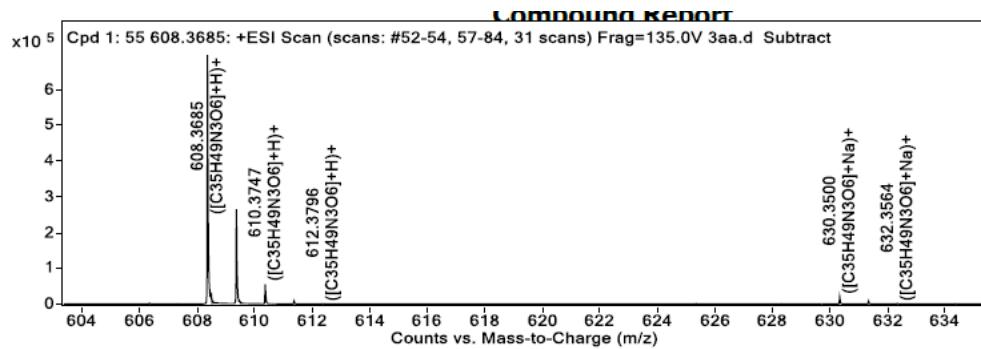
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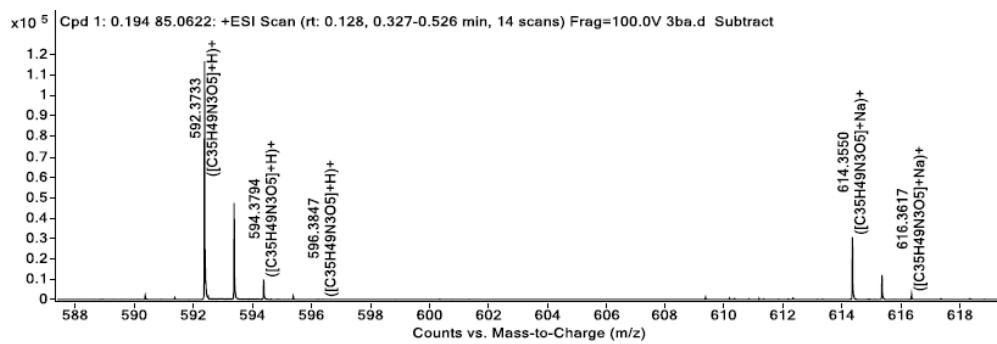
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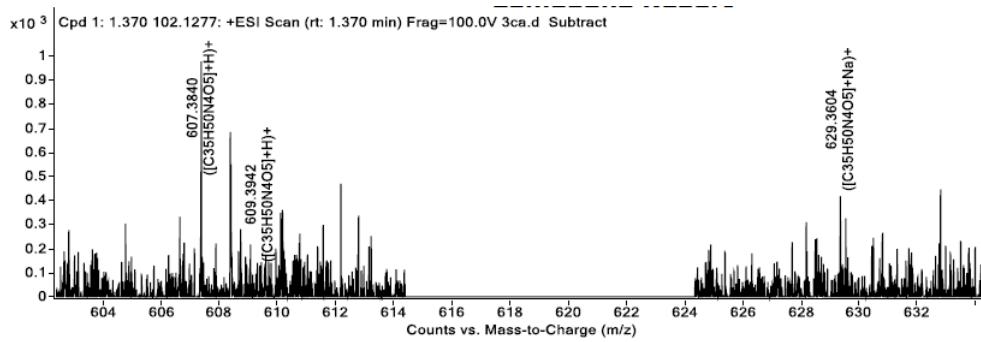
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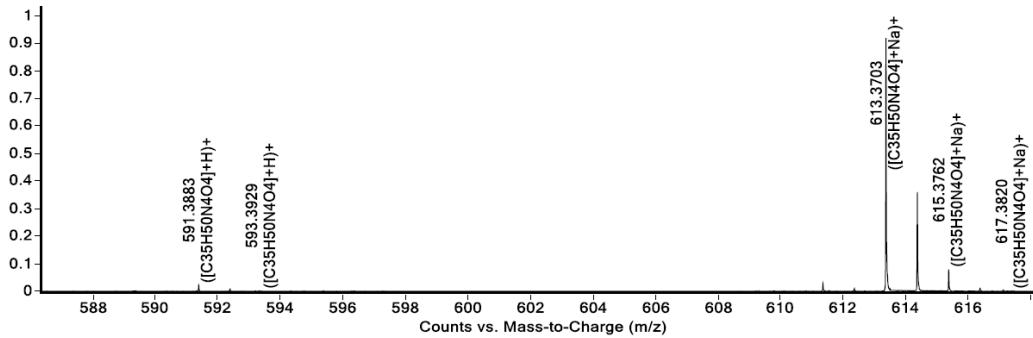
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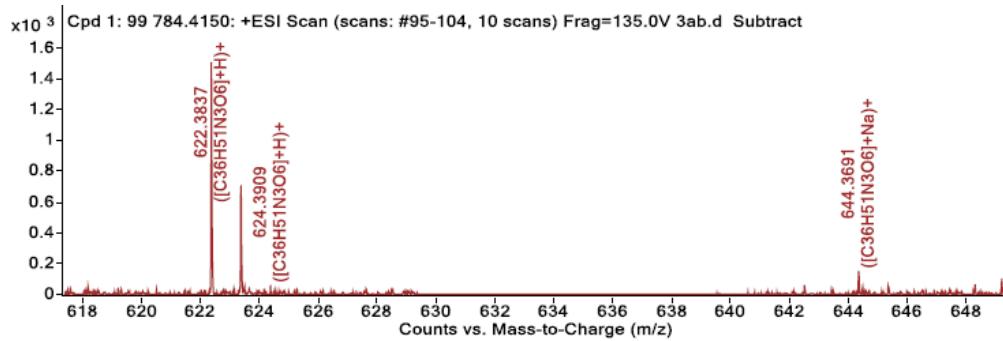
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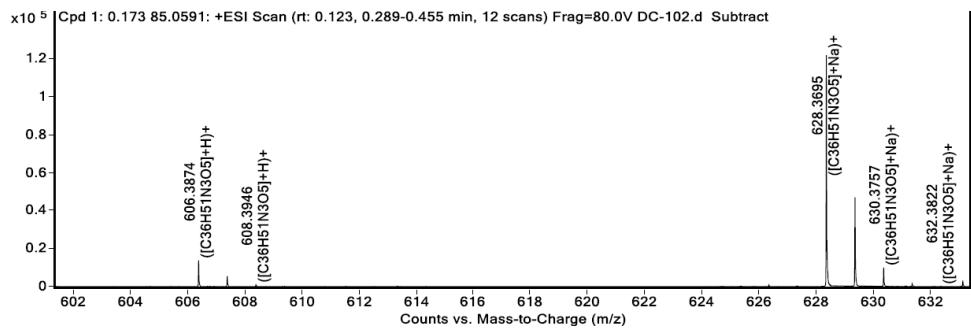
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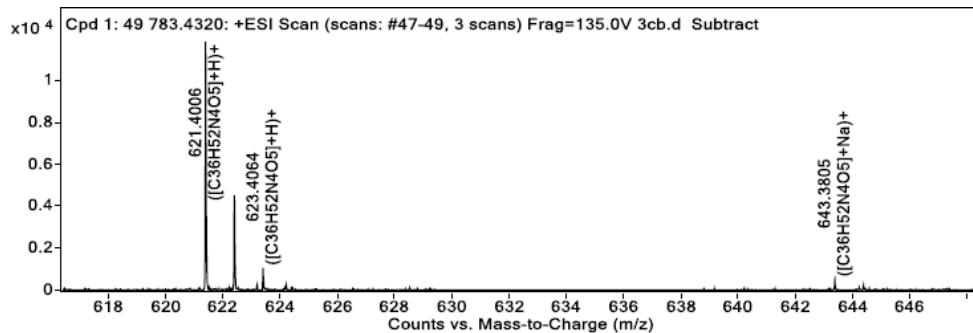
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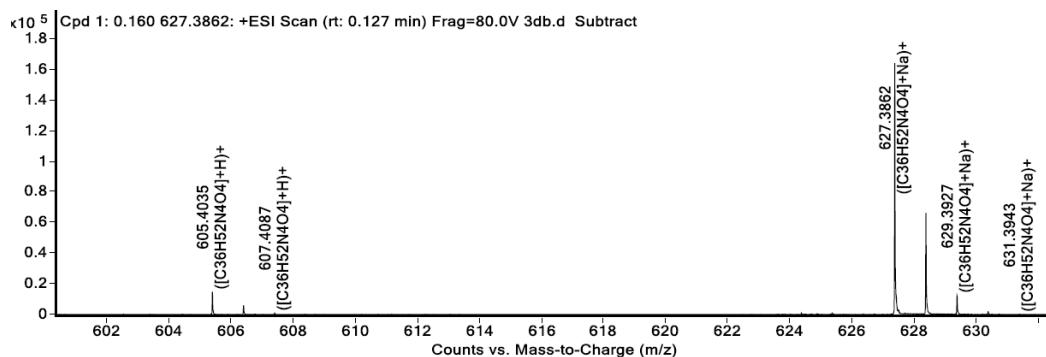
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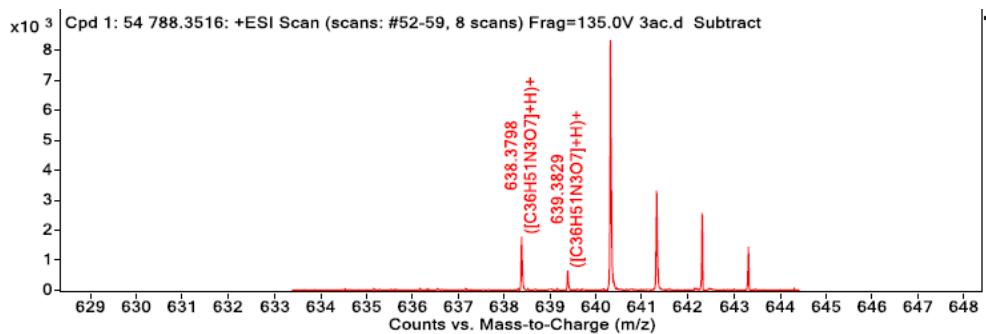
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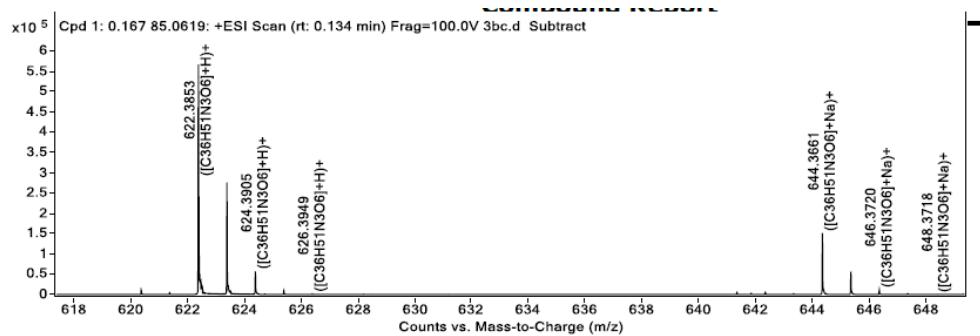
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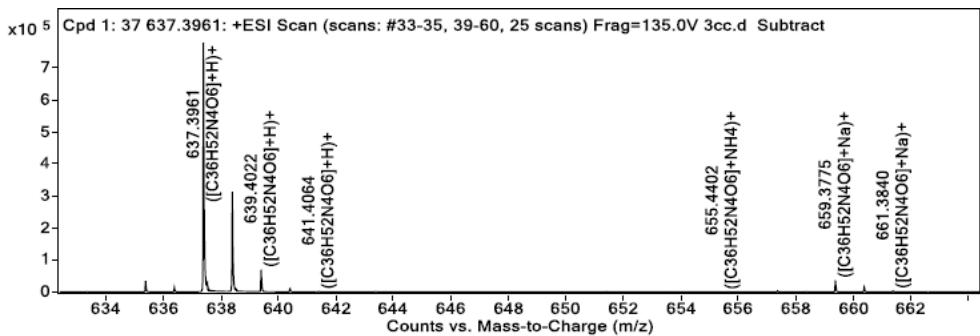
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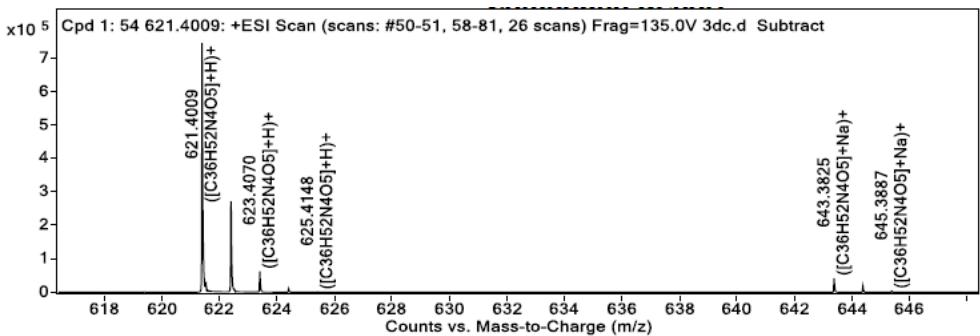
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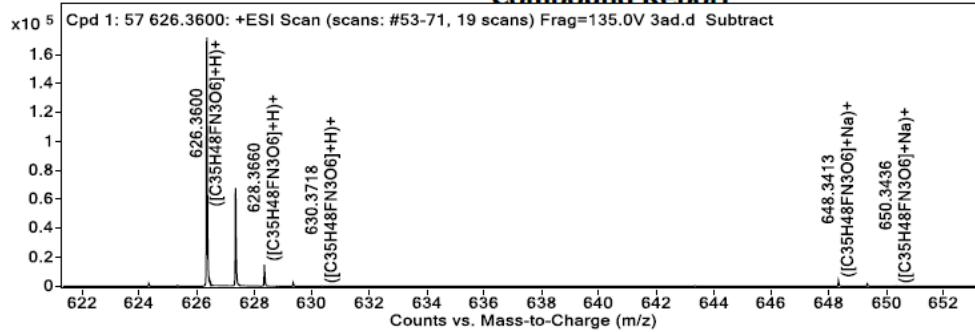


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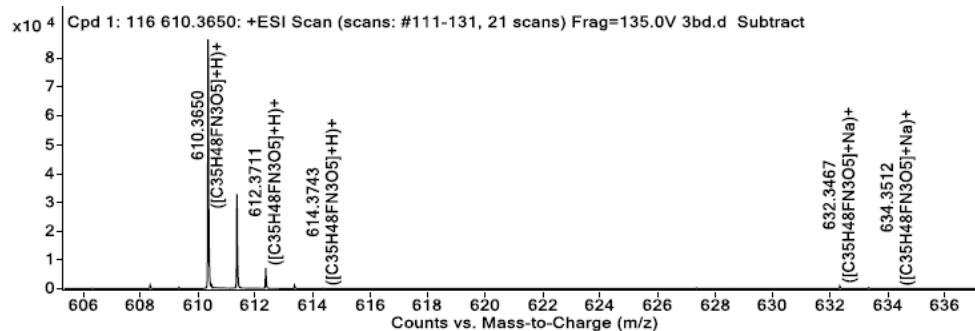


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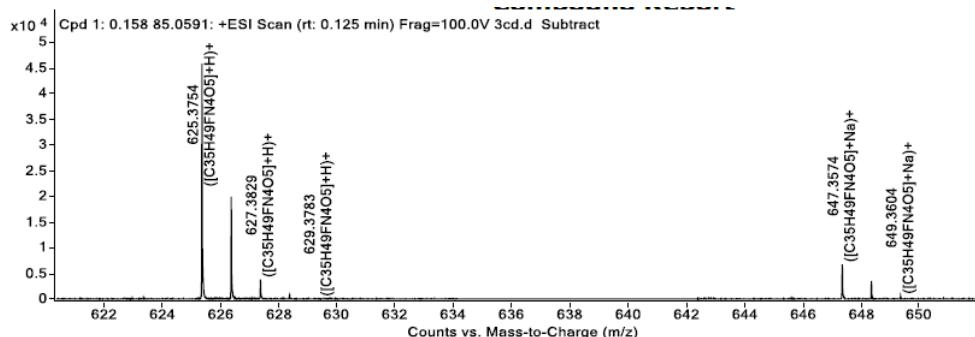
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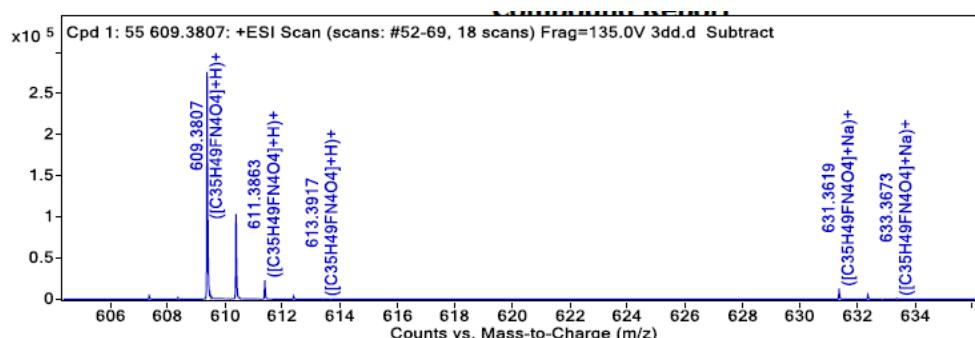
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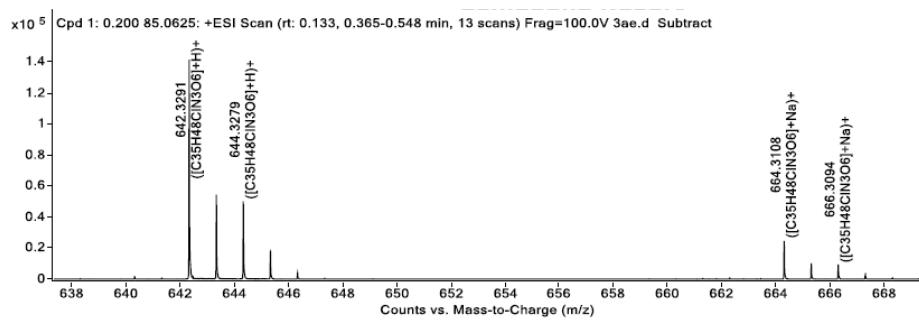
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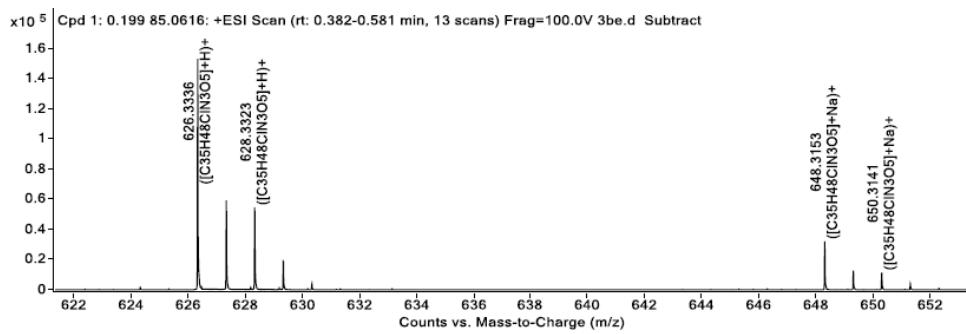
### HRMS of 6dd



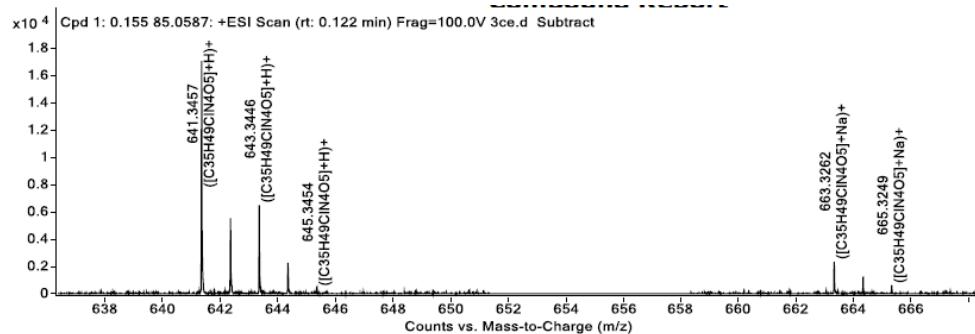
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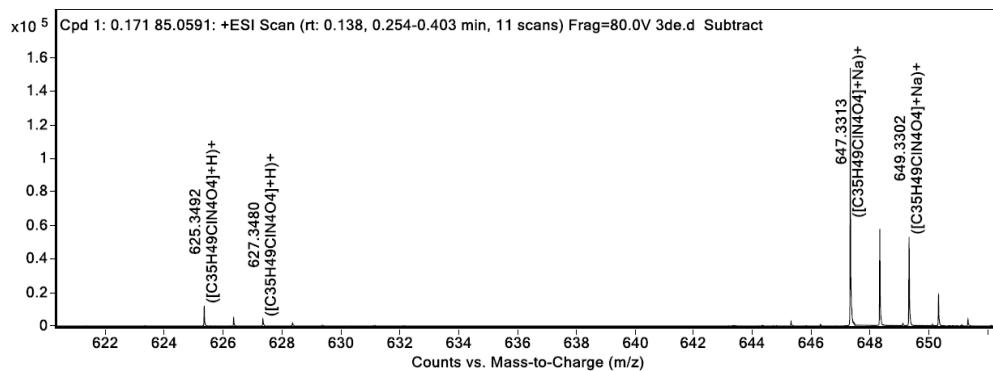
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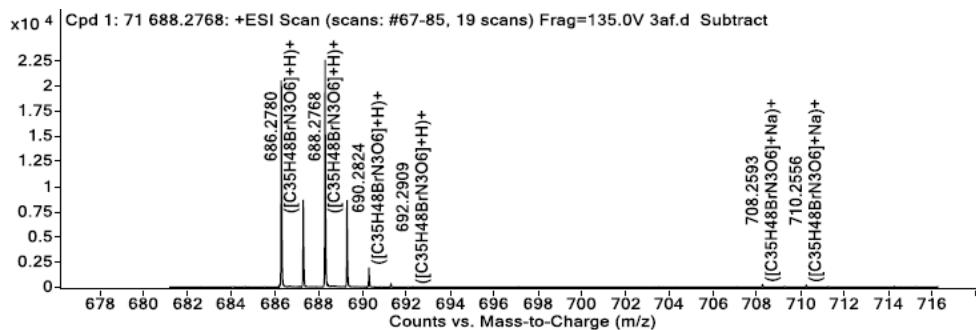
### HRMS of 6ce



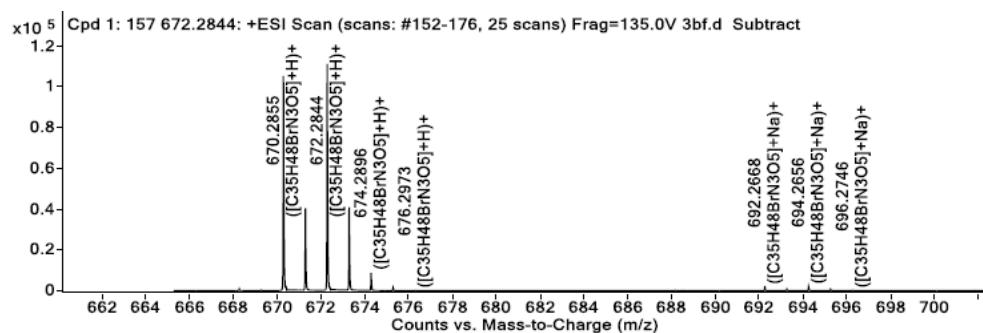
### HRMS of 6de



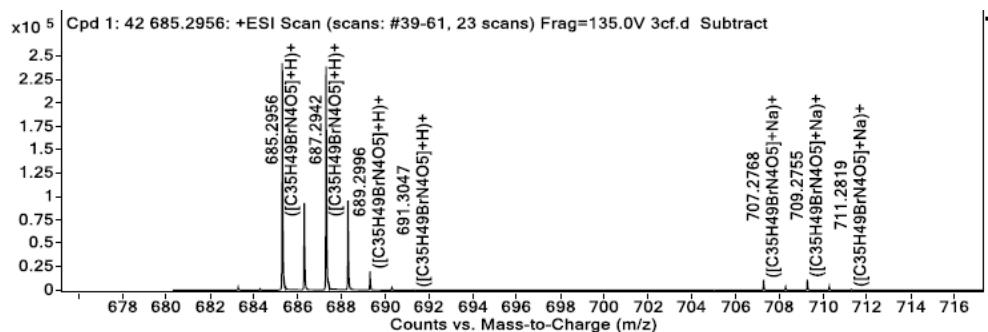
### HRMS of 6af



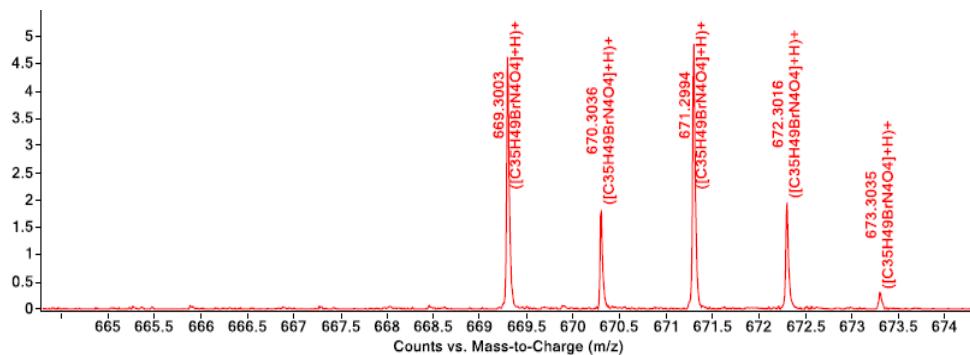
### HRMS of 6bf



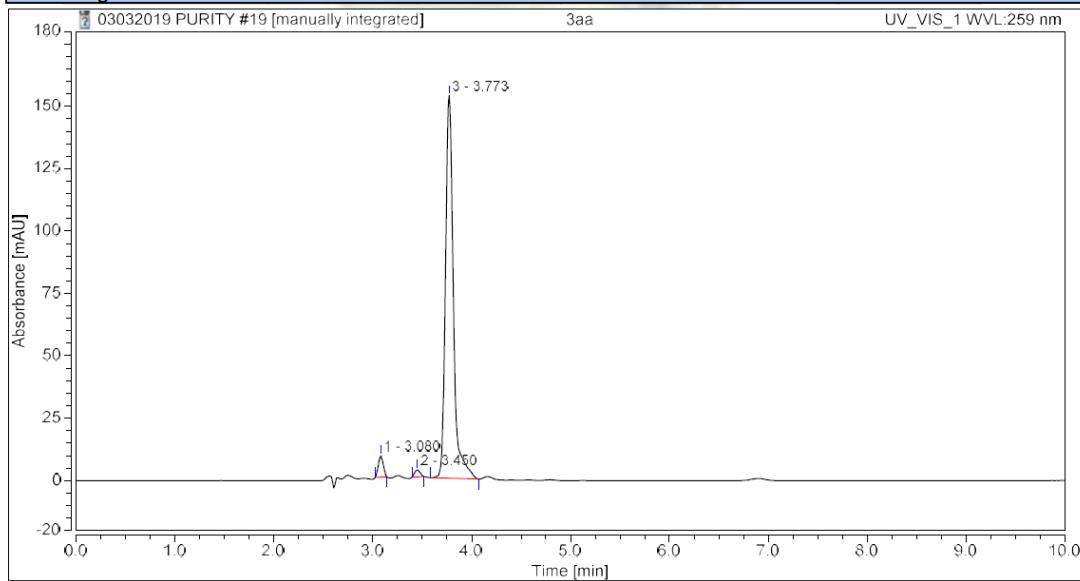
### HRMS of 6cf



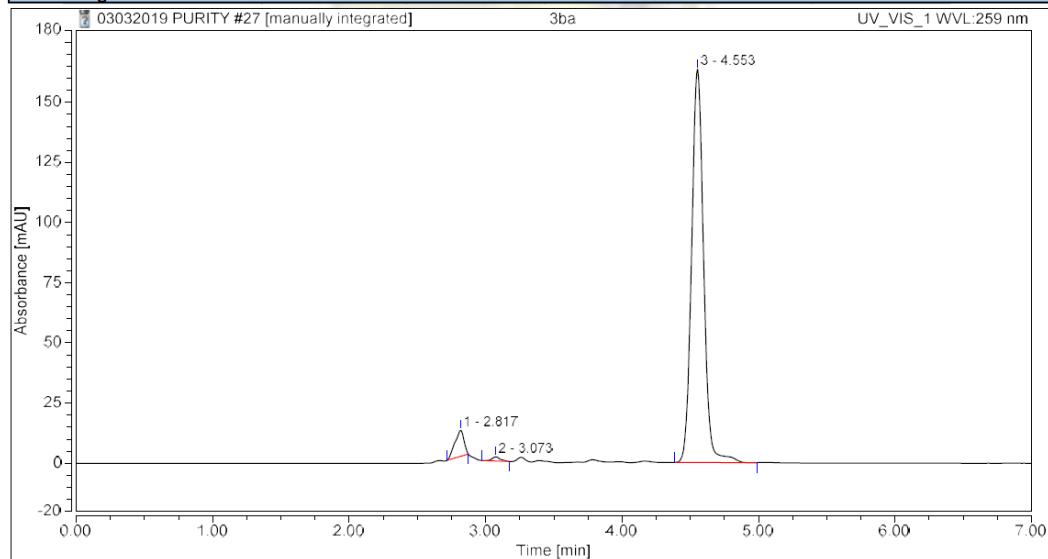
### HRMS of 6df



### HPLC chromatogram of 6aa

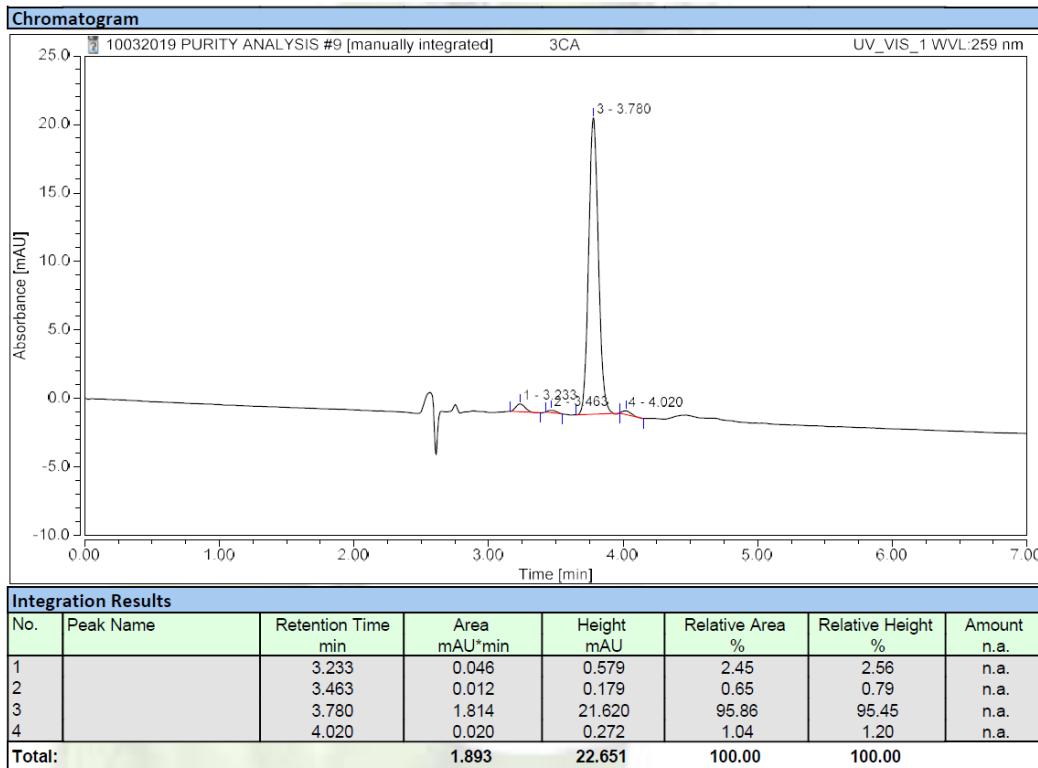
**Chromatogram****Integration Results**

No.	Peak Name	Retention Time min	Area mAU*min	Height mAU	Relative Area %	Relative Height %	Amount n.a.
1		3.080	0.490	8.651	3.32	5.25	n.a.
2		3.450	0.179	2.865	1.22	1.74	n.a.
3		3.773	14.084	153.375	95.46	93.02	n.a.
Total:			14.753	164.891	100.00	100.00	

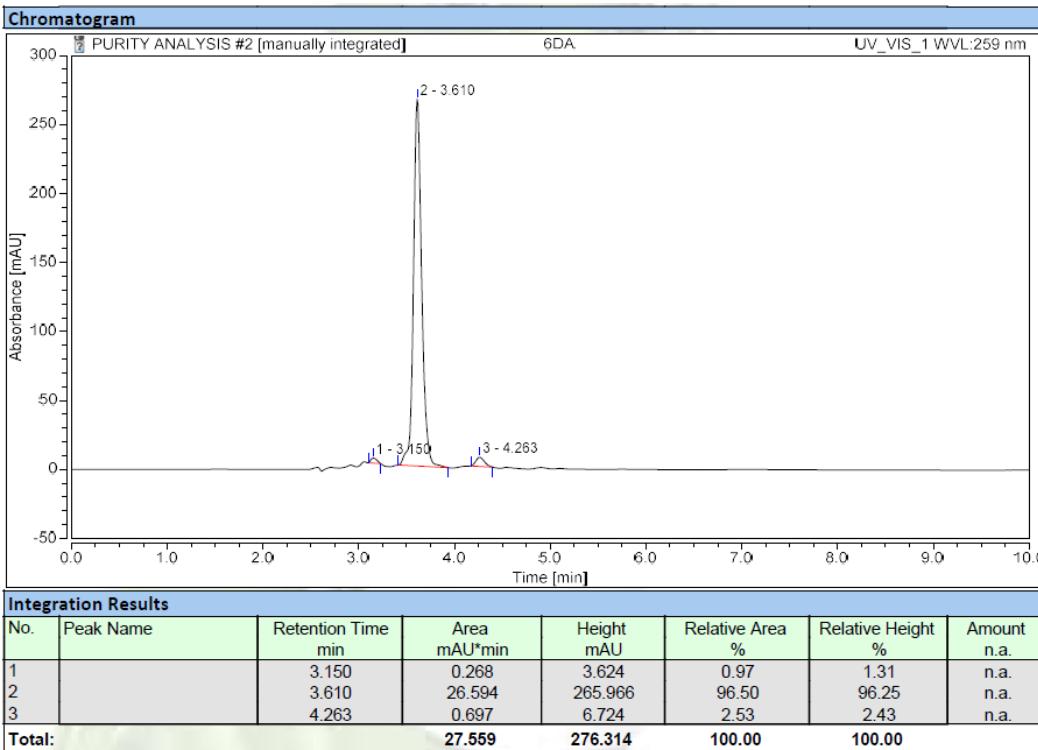
**HPLC chromatogram of 6ba****Chromatogram****Integration Results**

No.	Peak Name	Retention Time min	Area mAU*min	Height mAU	Relative Area %	Relative Height %	Amount n.a.
1		2.817	0.837	10.888	4.75	6.19	n.a.
2		3.073	0.123	1.737	0.70	0.99	n.a.
3		4.553	16.651	163.381	94.55	92.83	n.a.
Total:			17.611	176.006	100.00	100.00	

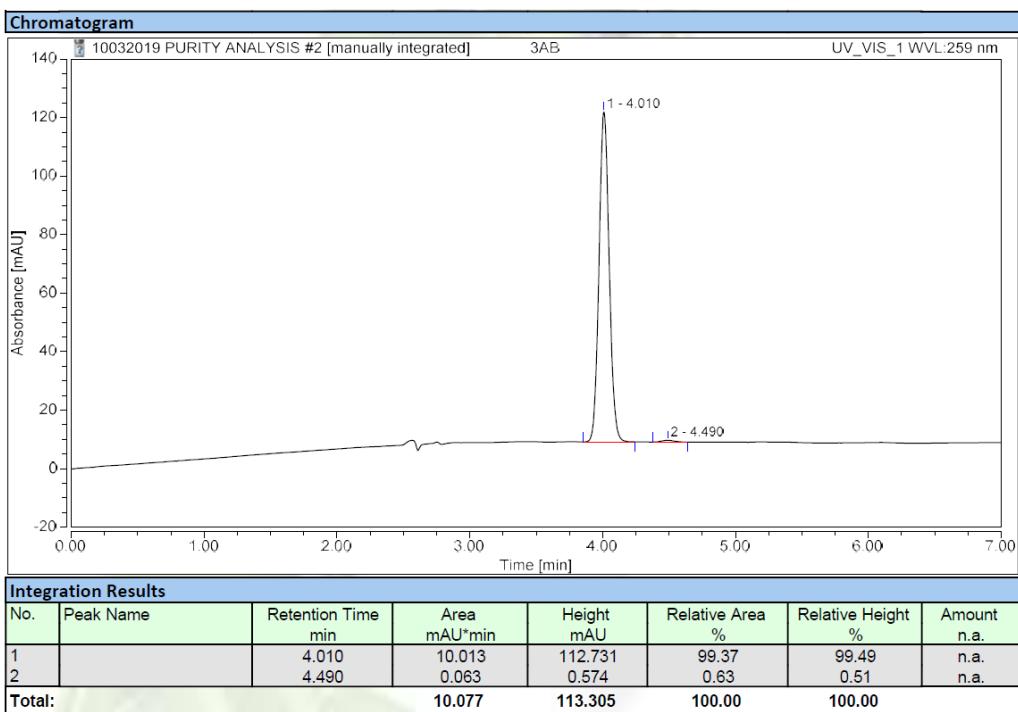
**HPLC chromatogram of 6ca**



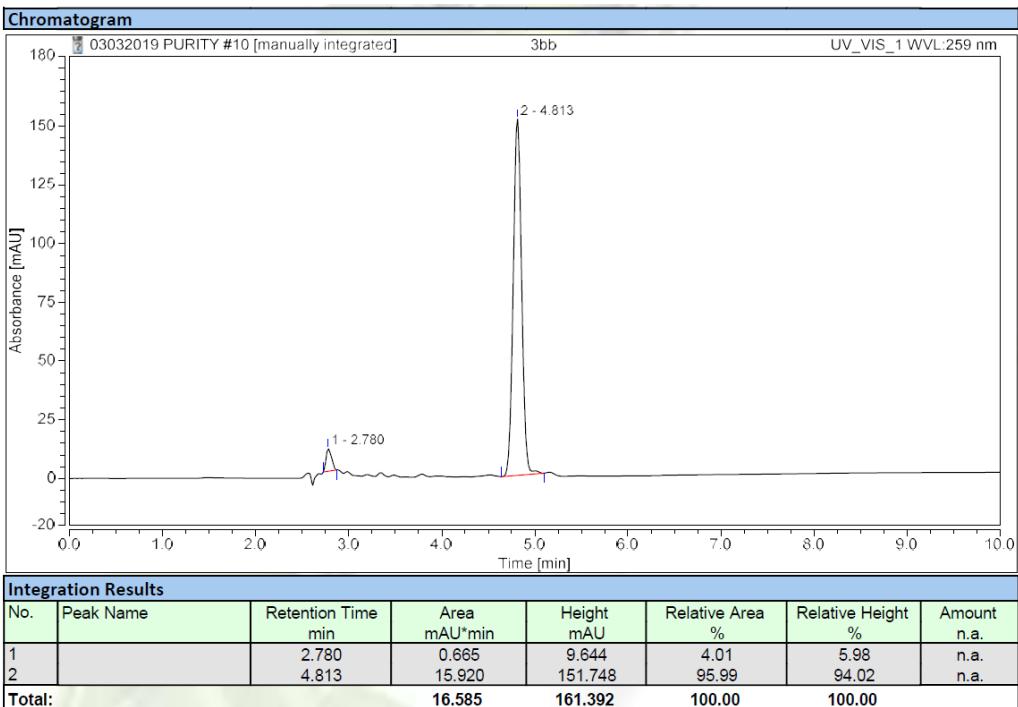
### HPLC chromatogram of 6da



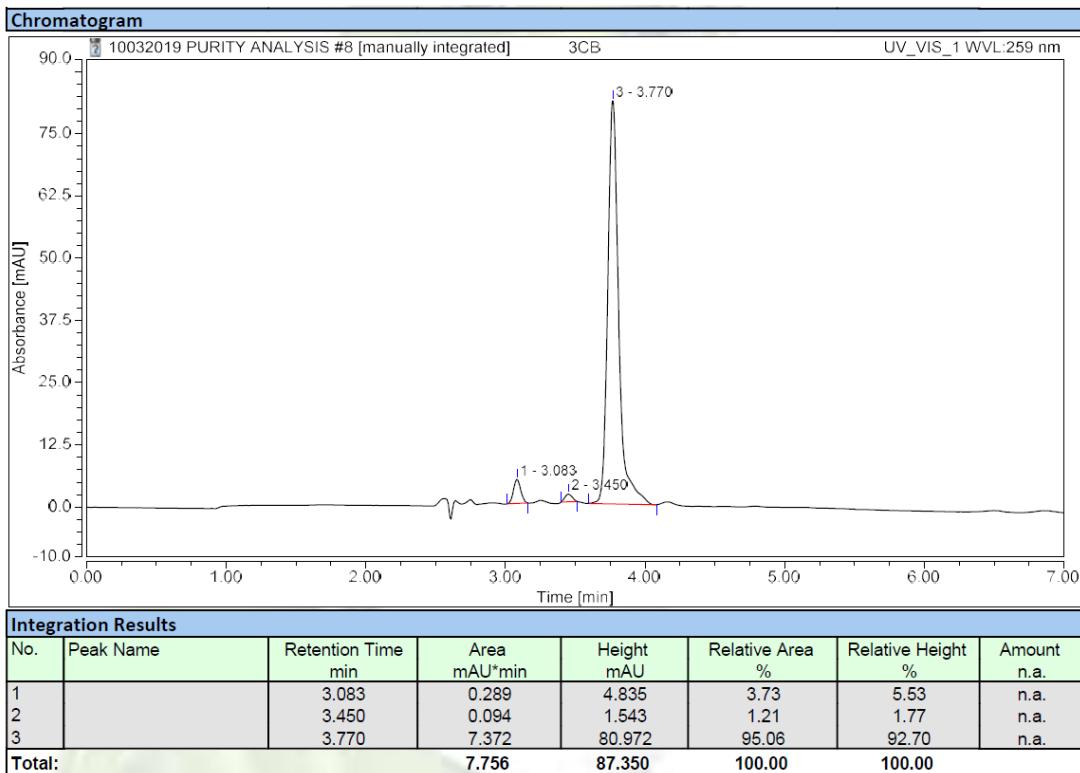
### HPLC chromatogram of 6ab



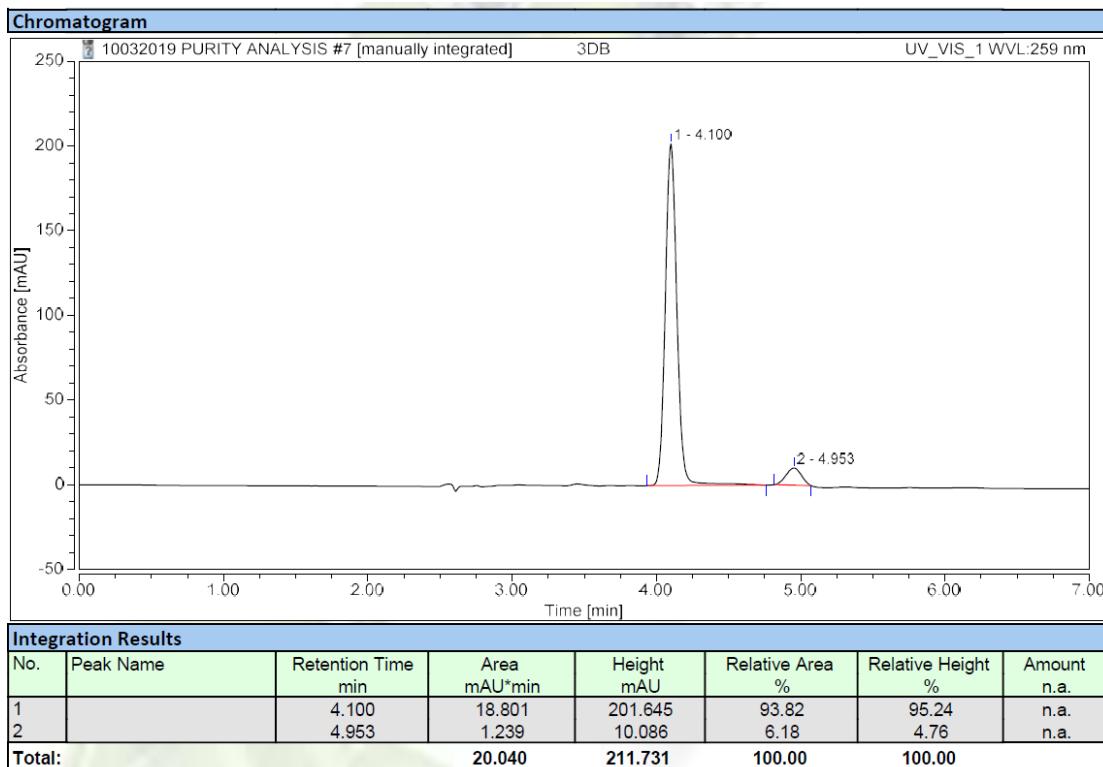
### HPLC chromatogram of 6bb



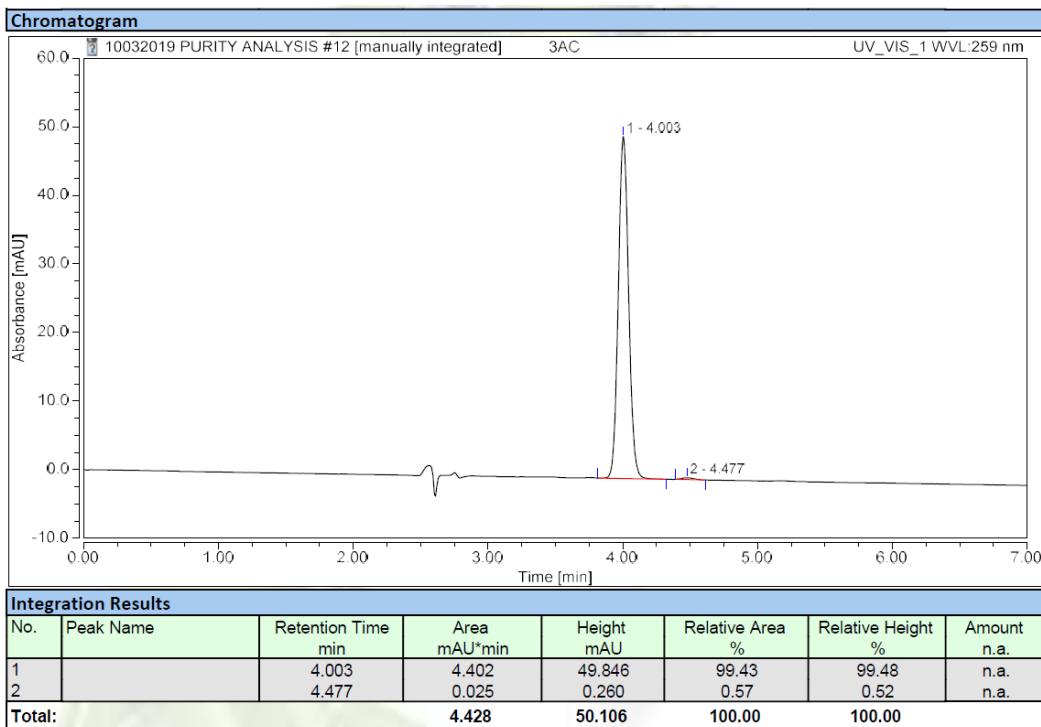
### HPLC chromatogram of 6cb



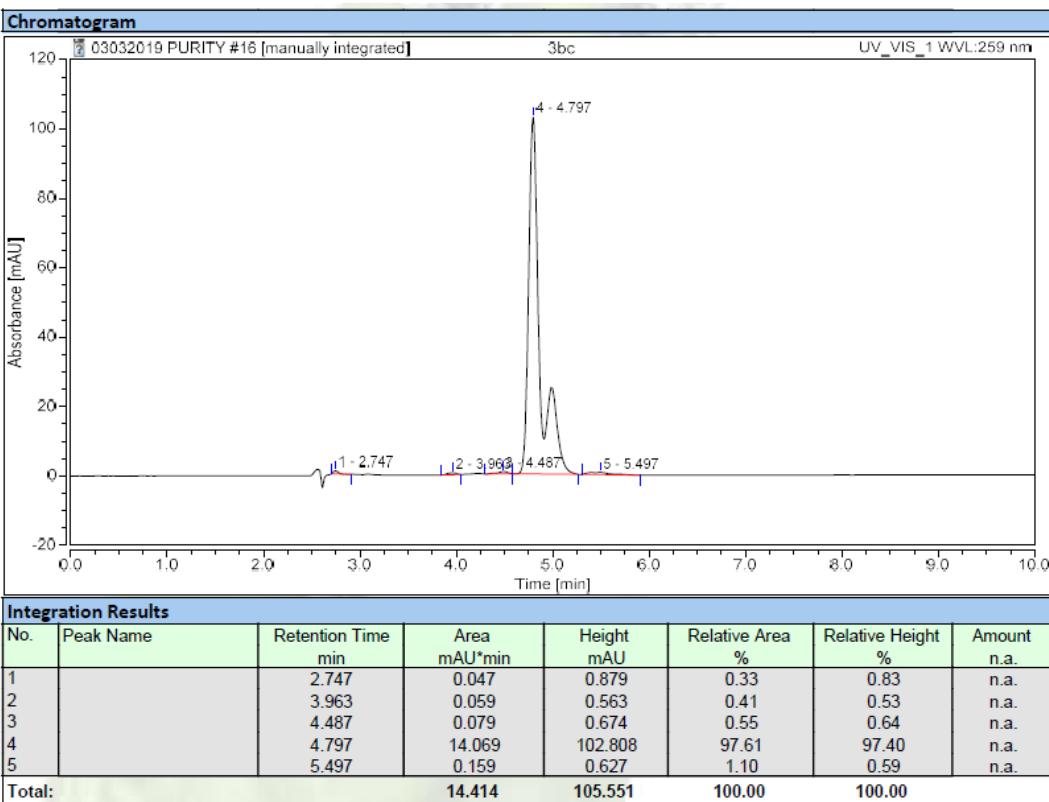
### HPLC chromatogram of 6db



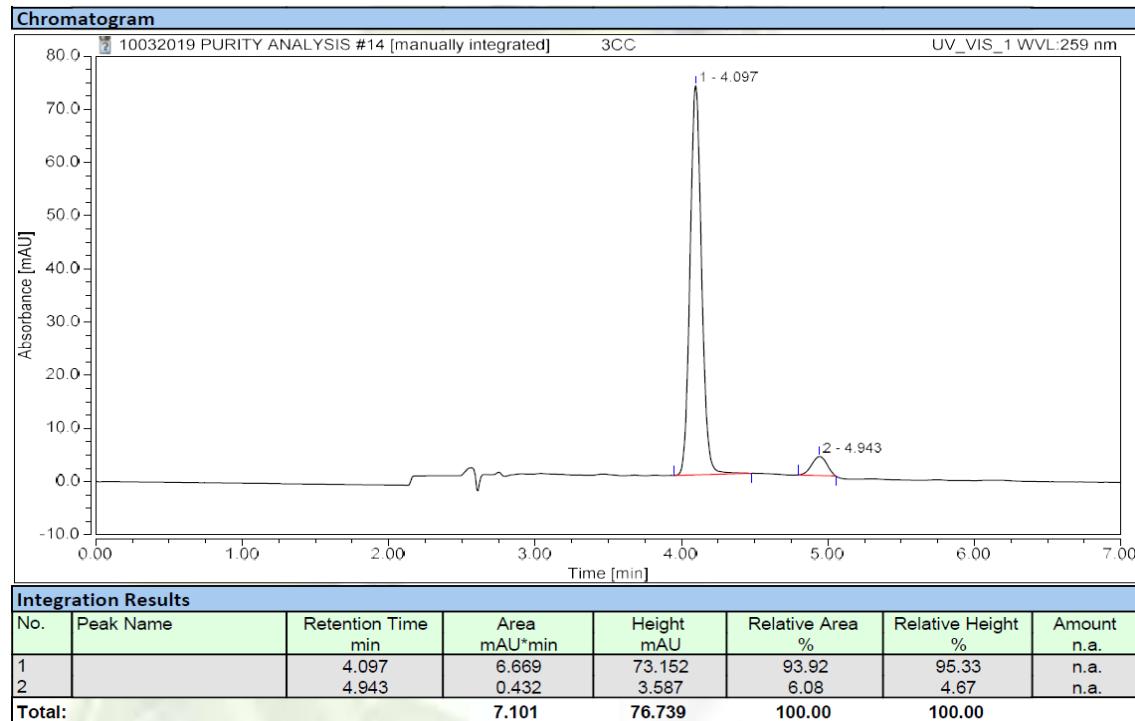
### HPLC chromatogram of 6ac



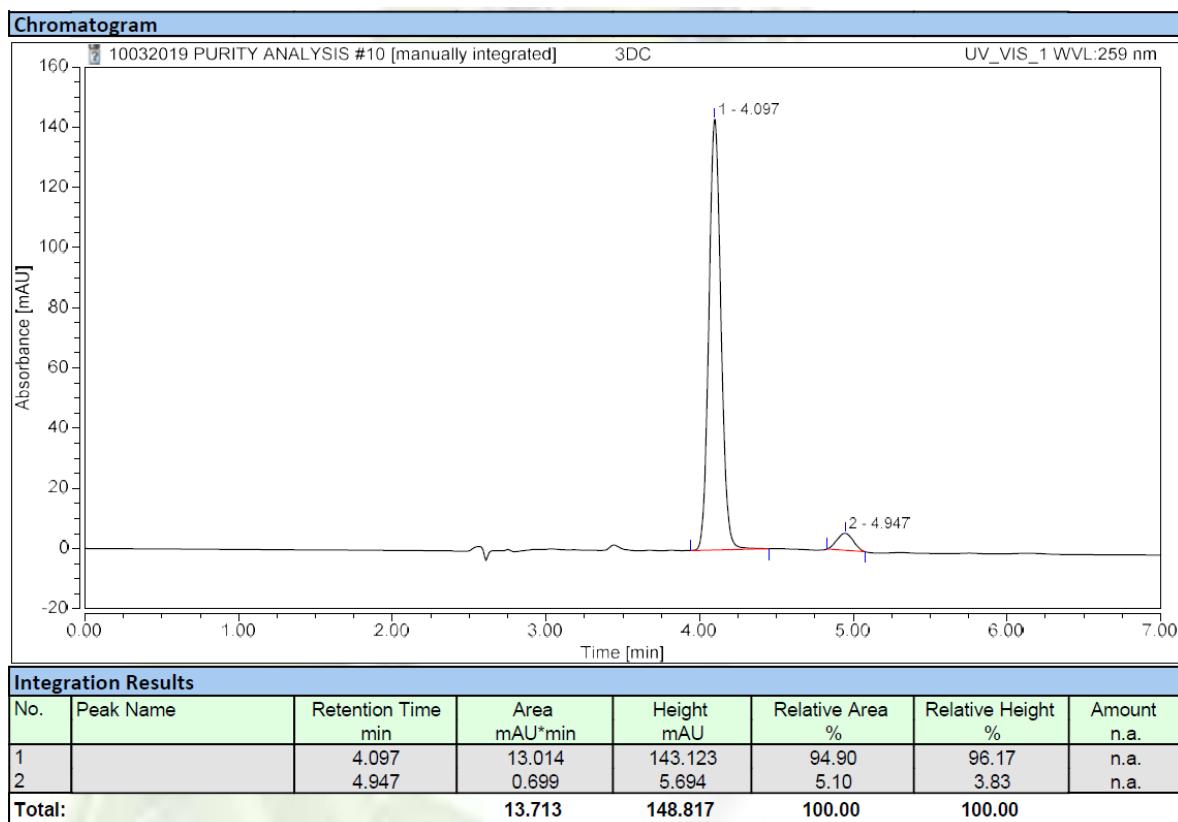
### HPLC chromatogram of 6bc



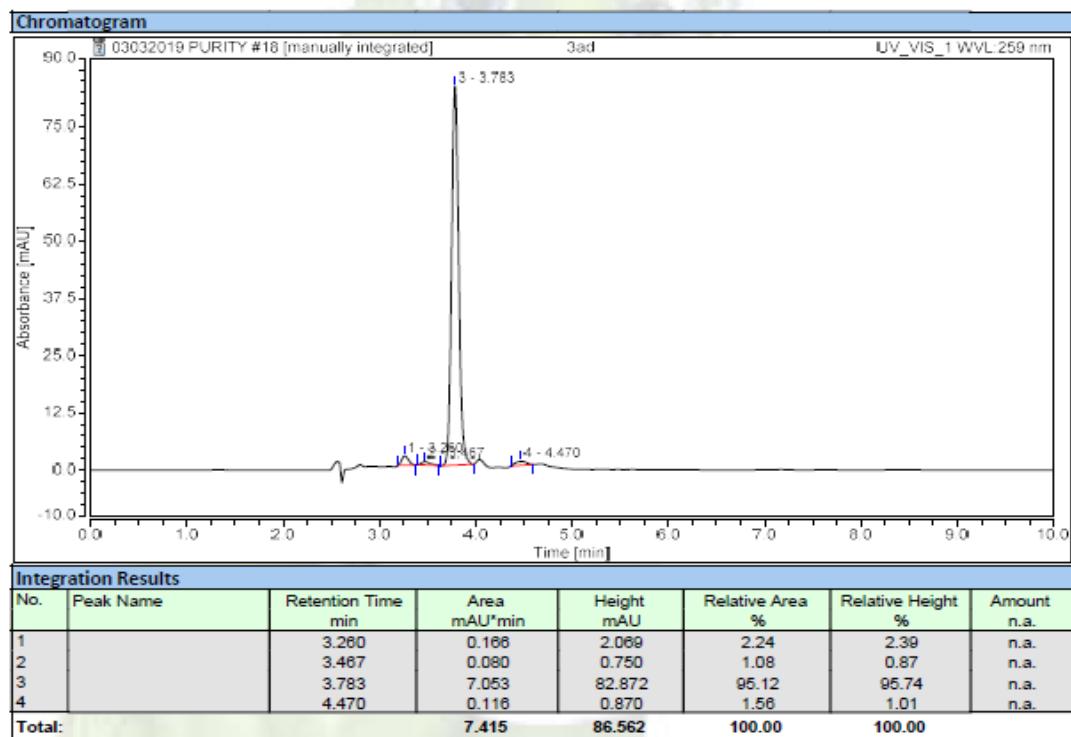
### HPLC chromatogram of 6cc



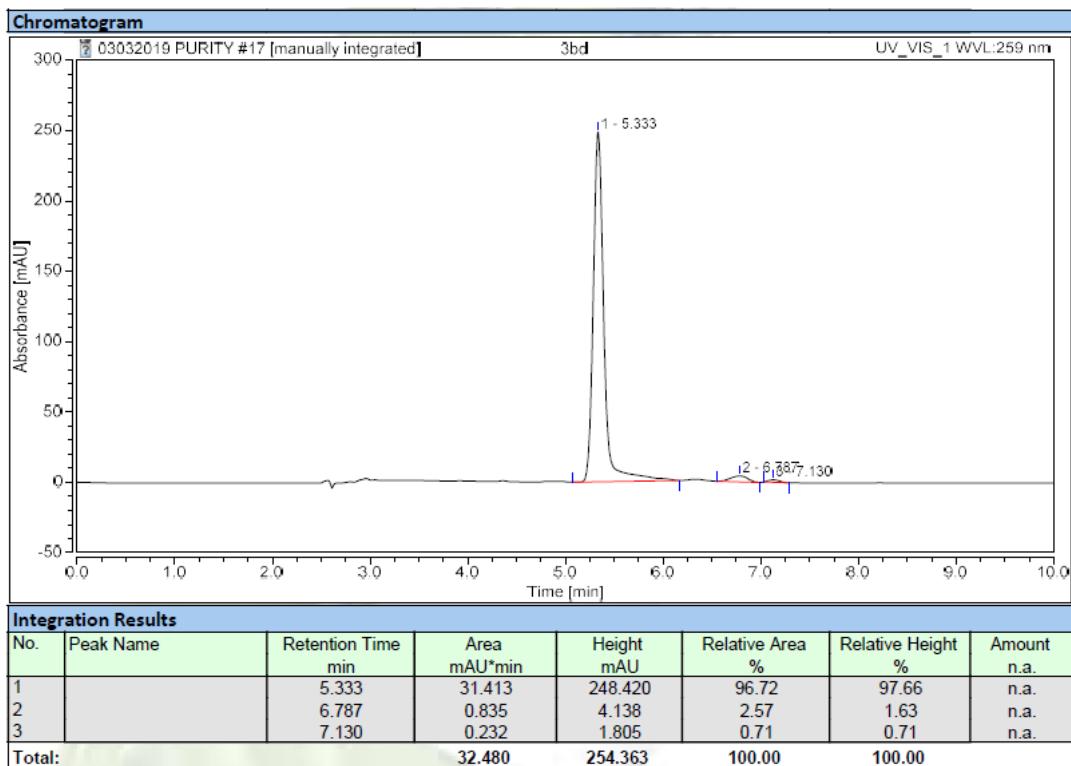
### HPLC chromatogram of 6dc



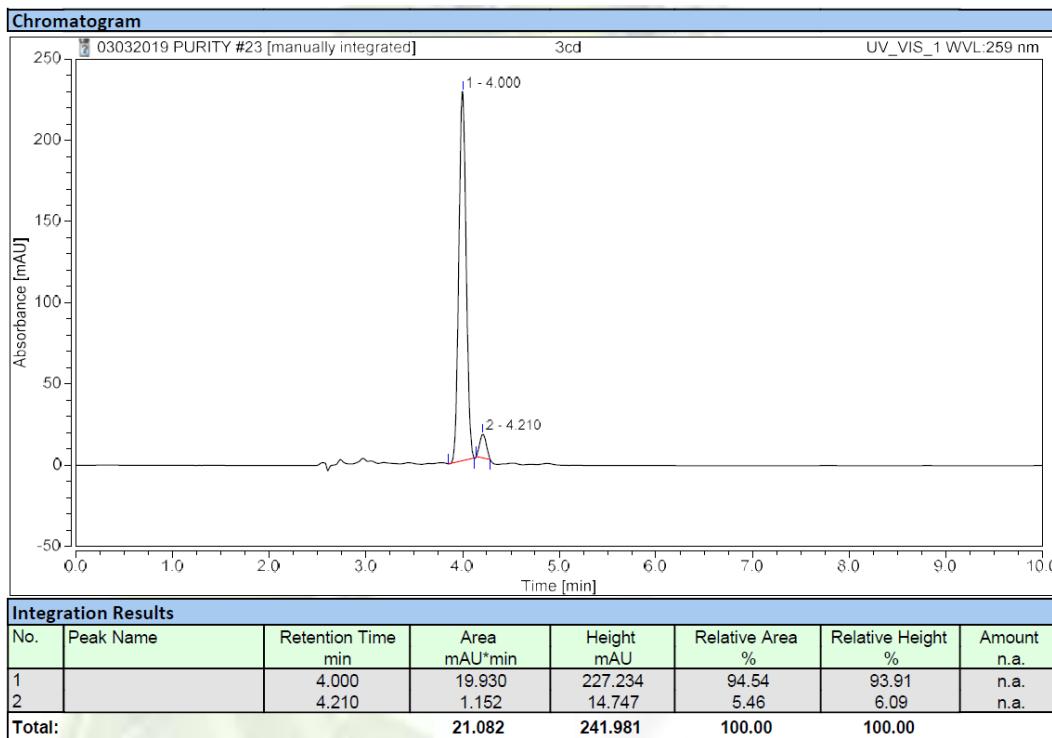
### HPLC chromatogram of 6ad



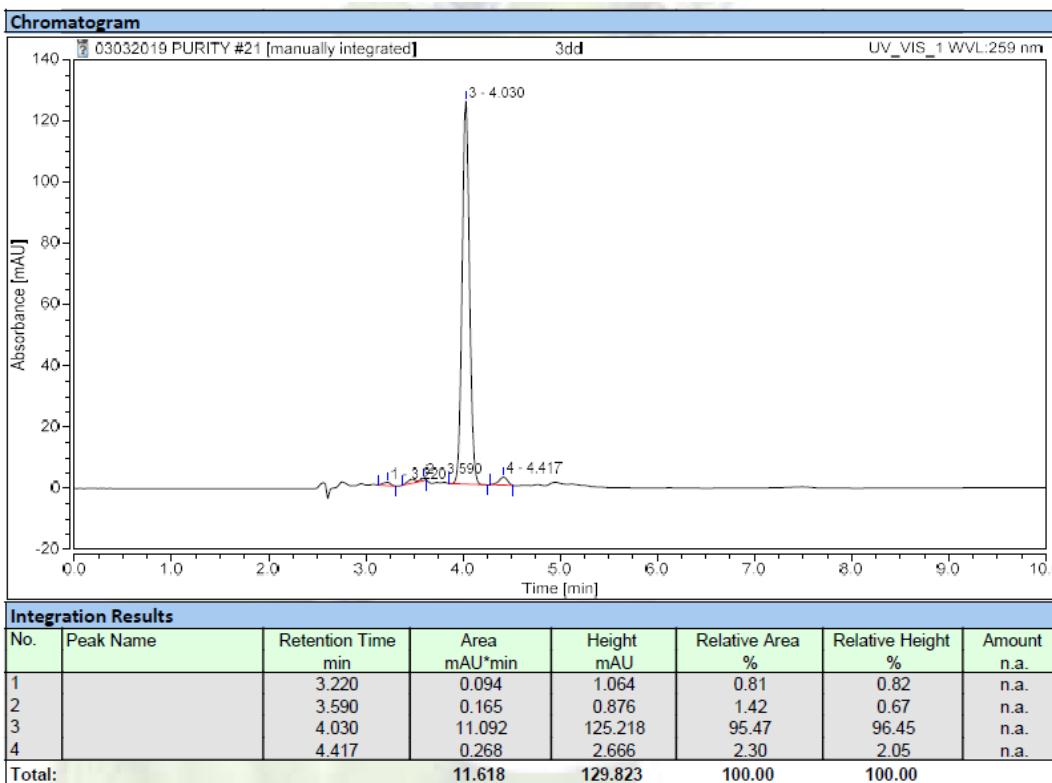
### HPLC chromatogram of 6bd



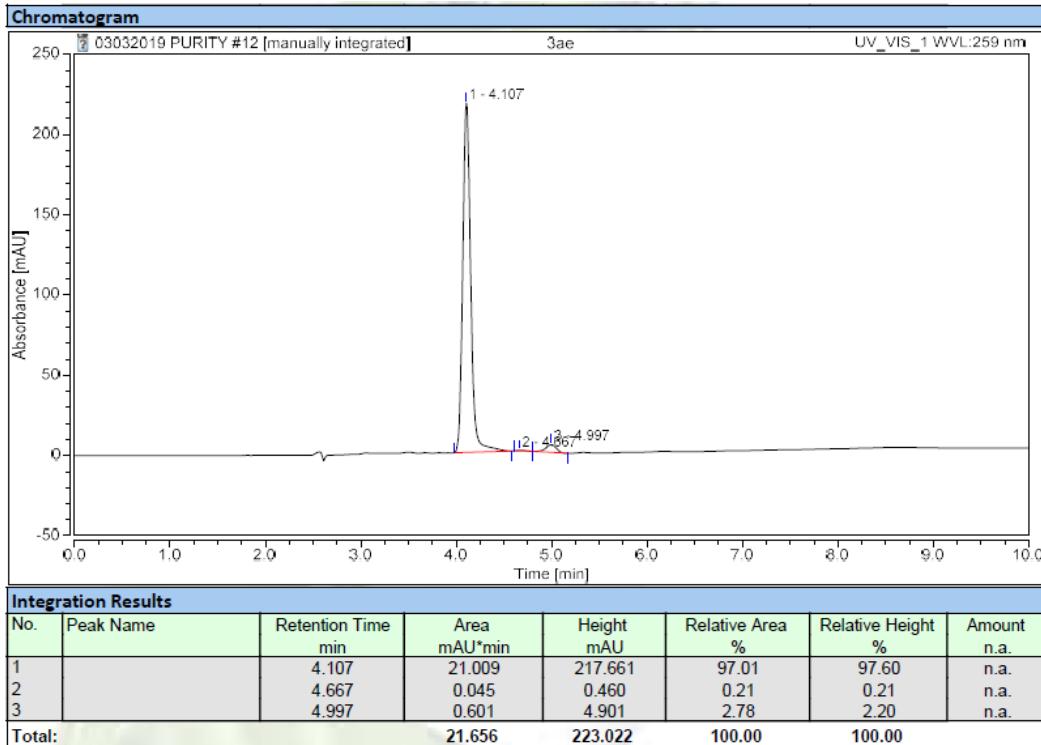
### HPLC chromatogram of 6cd



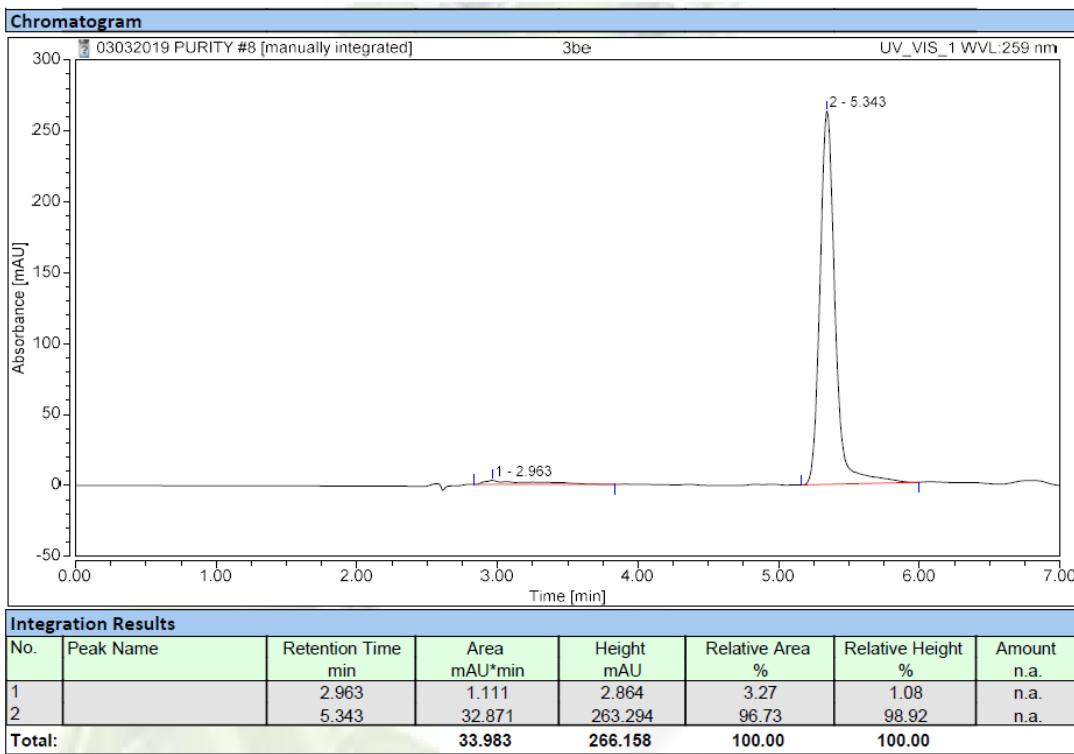
### HPLC chromatogram of 6dd



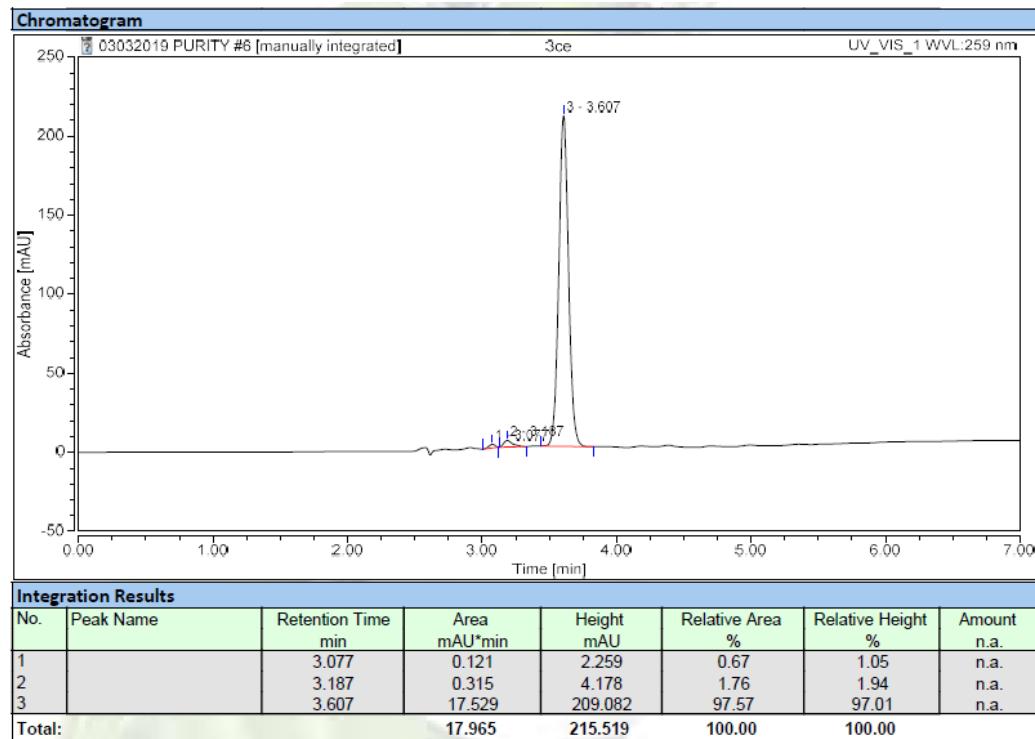
### HPLC chromatogram of 6ae



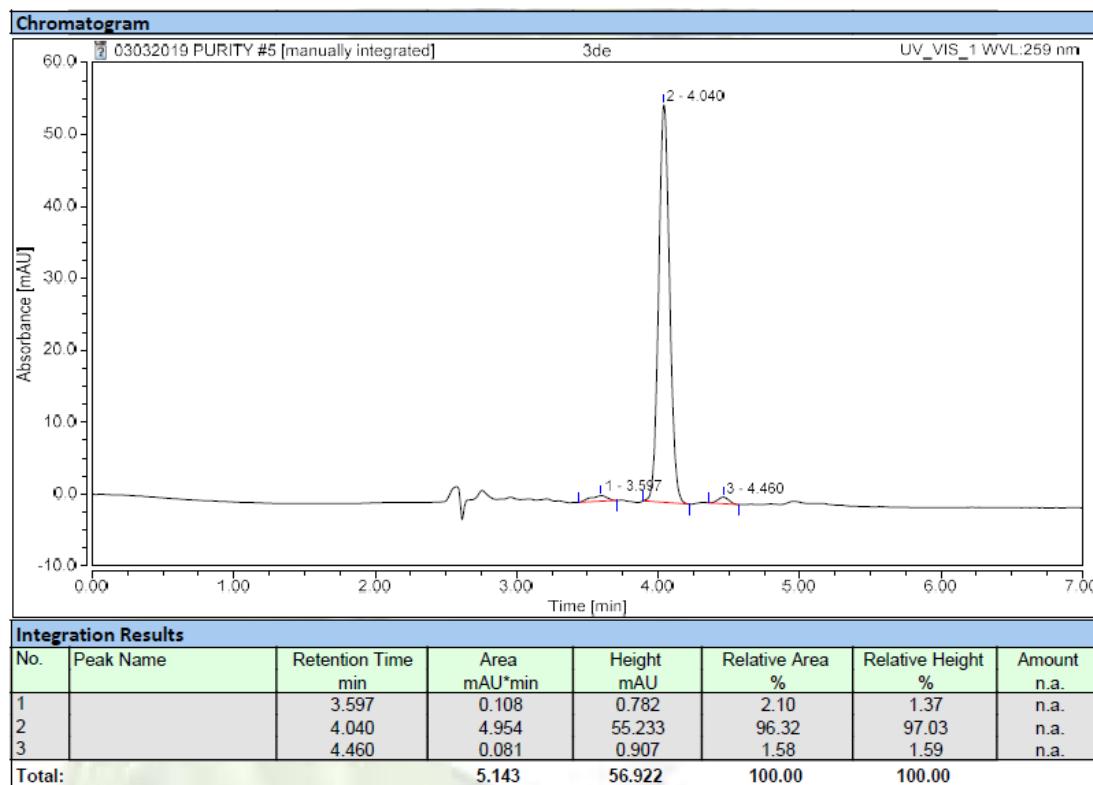
### HPLC chromatogram of 6be



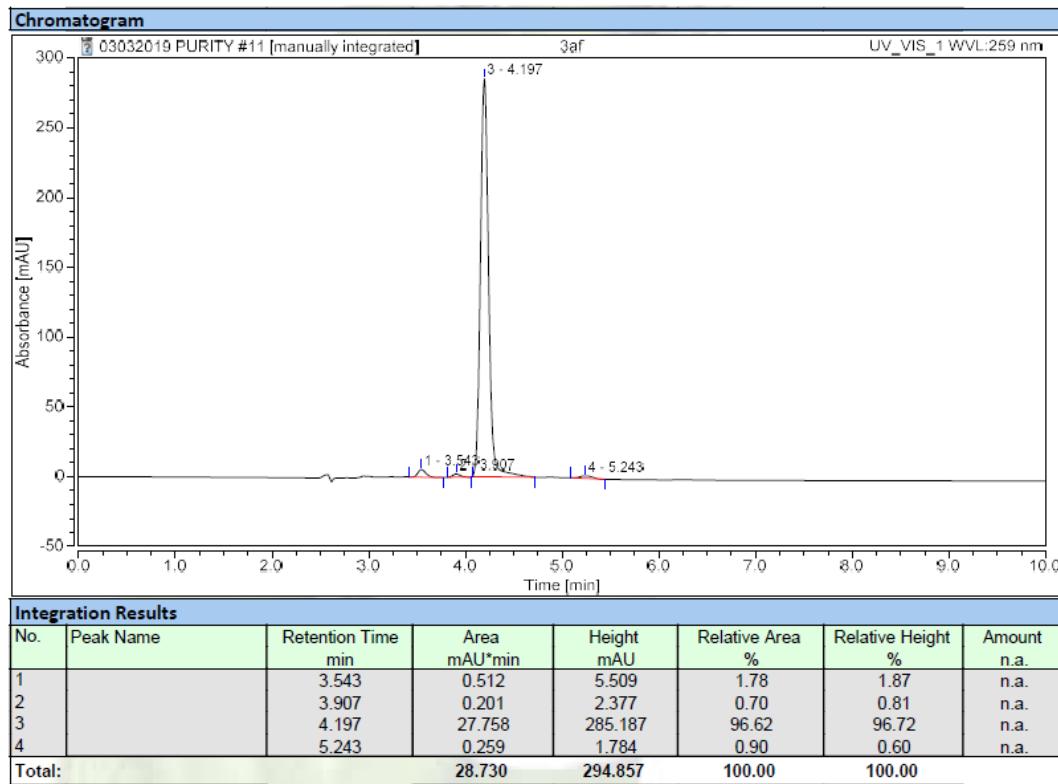
### HPLC chromatogram 6ce



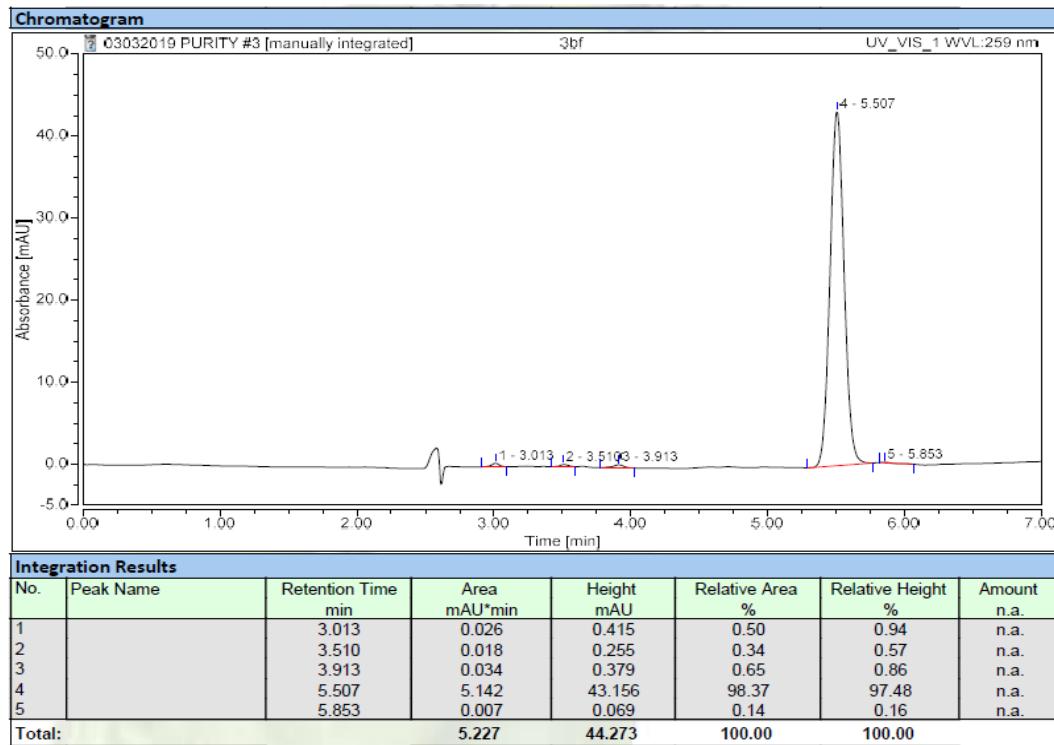
### HPLC chromatogram of 6de



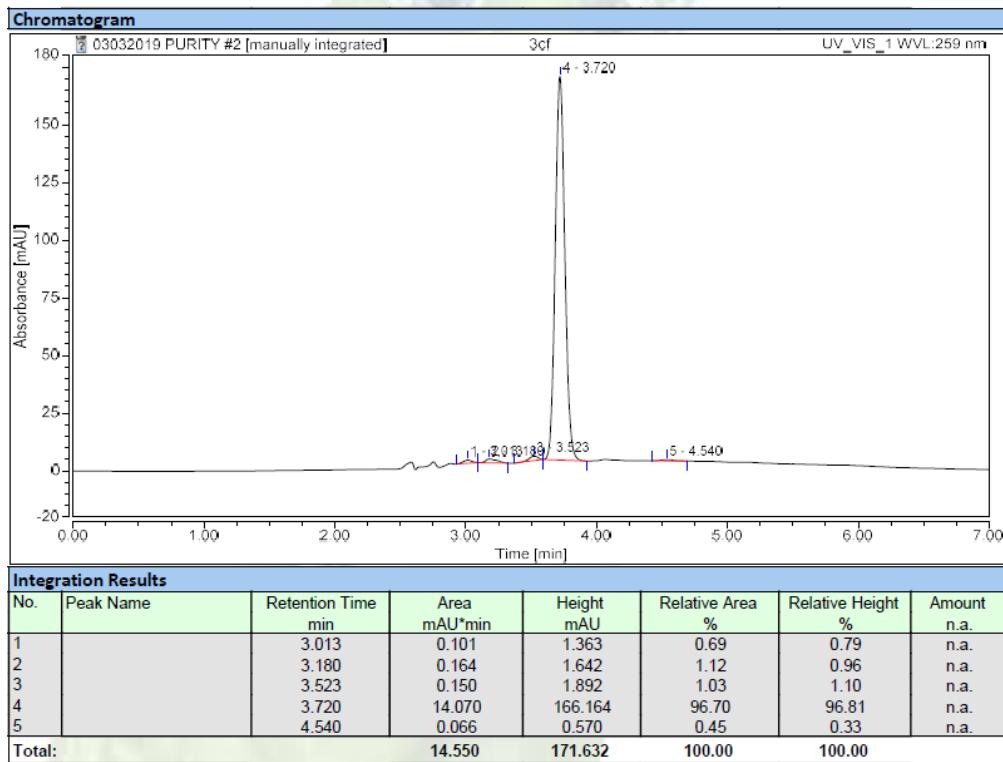
### HPLC chromatogram of 6af



### HPLC chromatogram of 6bf



### HPLC chromatogram of 6cf



### HPLC chromatogram of 6df

