

## Supporting Information

# Copper(I)-Catalyzed Benzoylation of Triazolopyridine Through Direct C-H Functionalization

Madhava Reddy Lonka, Jinquan Zhang, Thirupathi Gogula and Hongbin Zou\*

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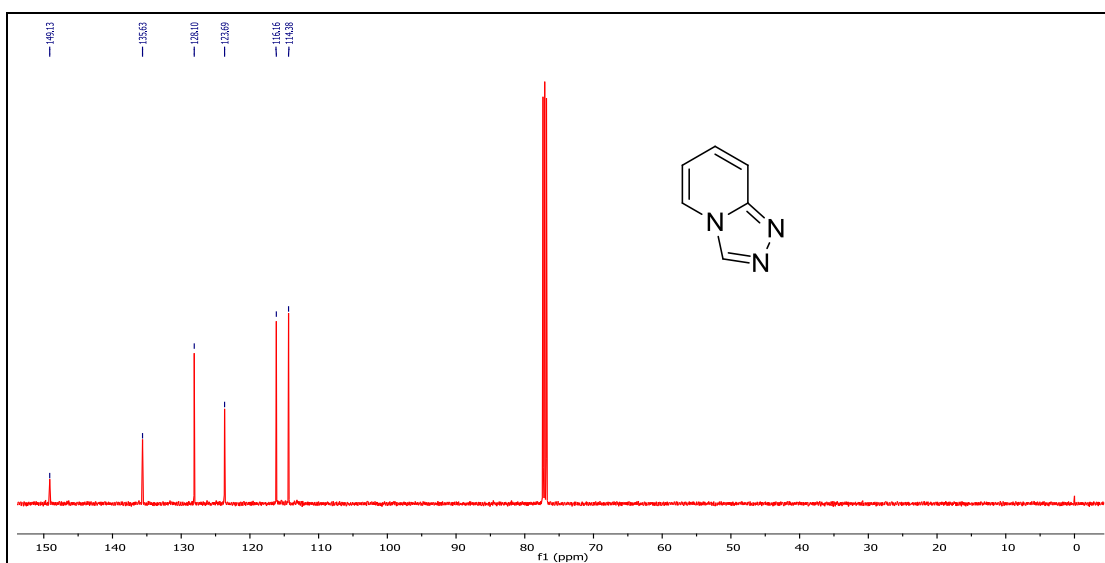
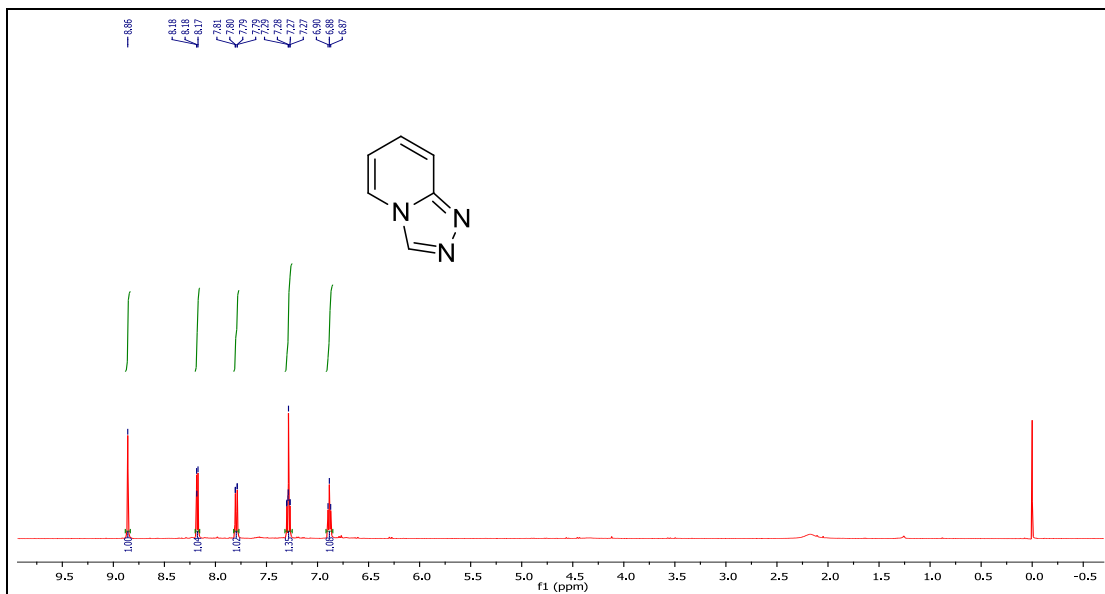
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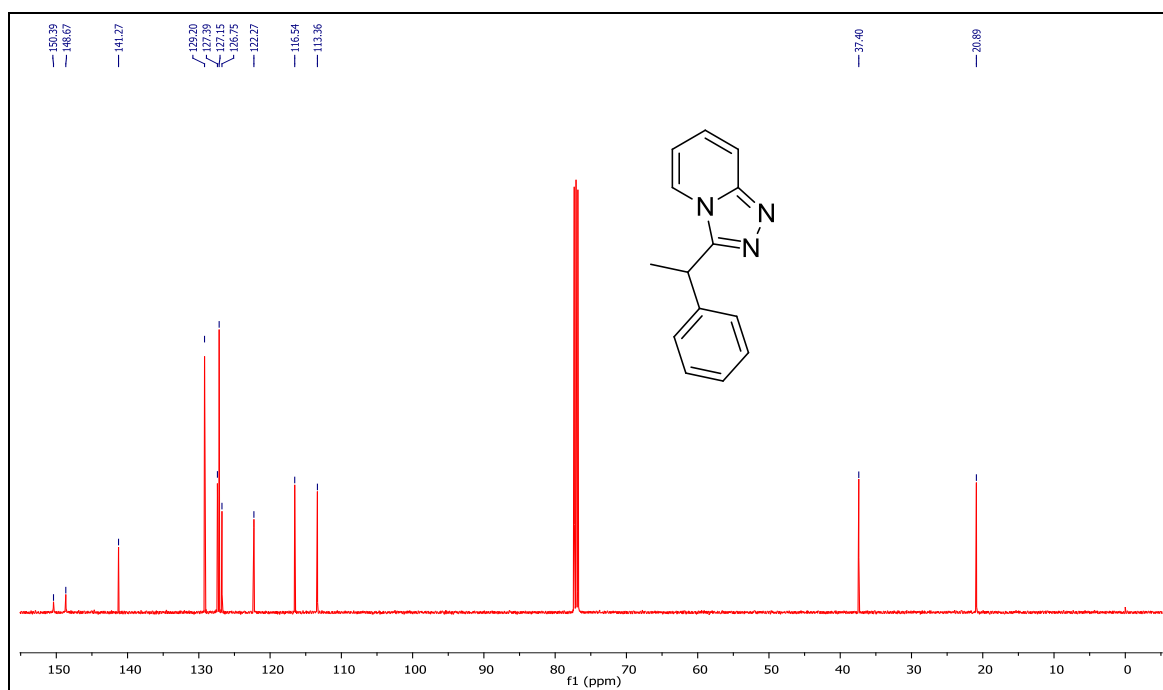
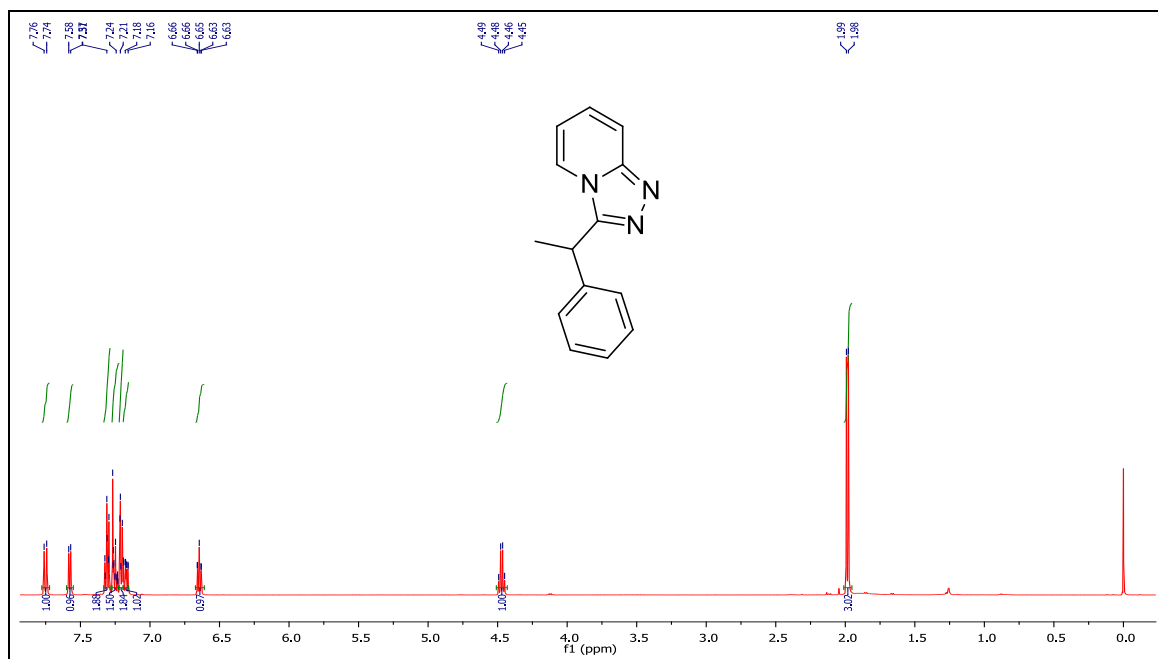
<b>1. NMR Spectra.....</b>	<b>S2</b>
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# NMR Spectra

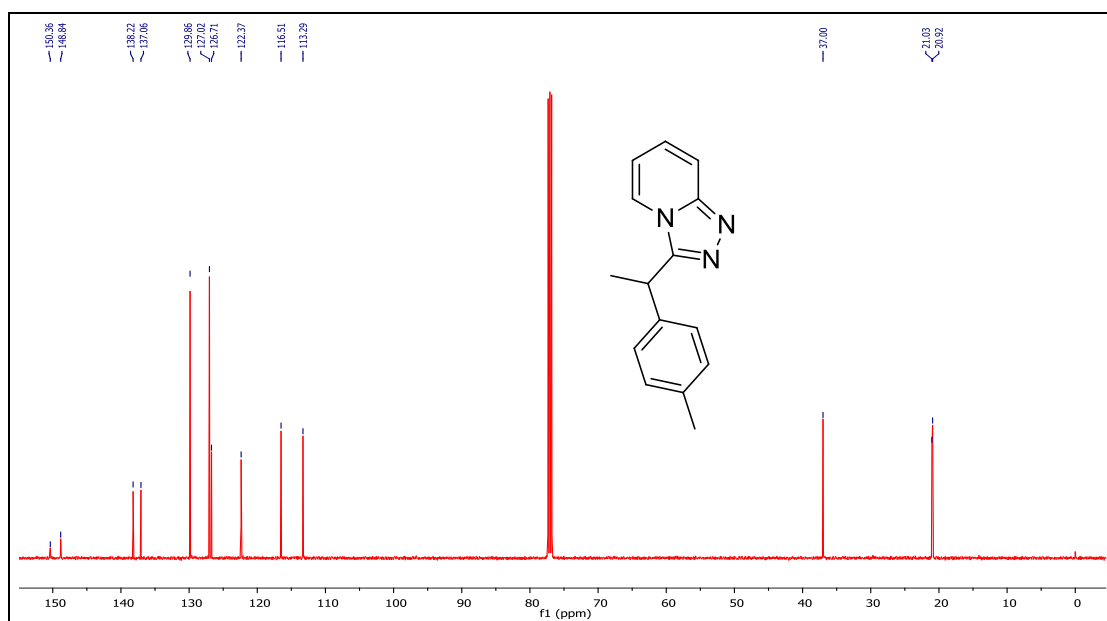
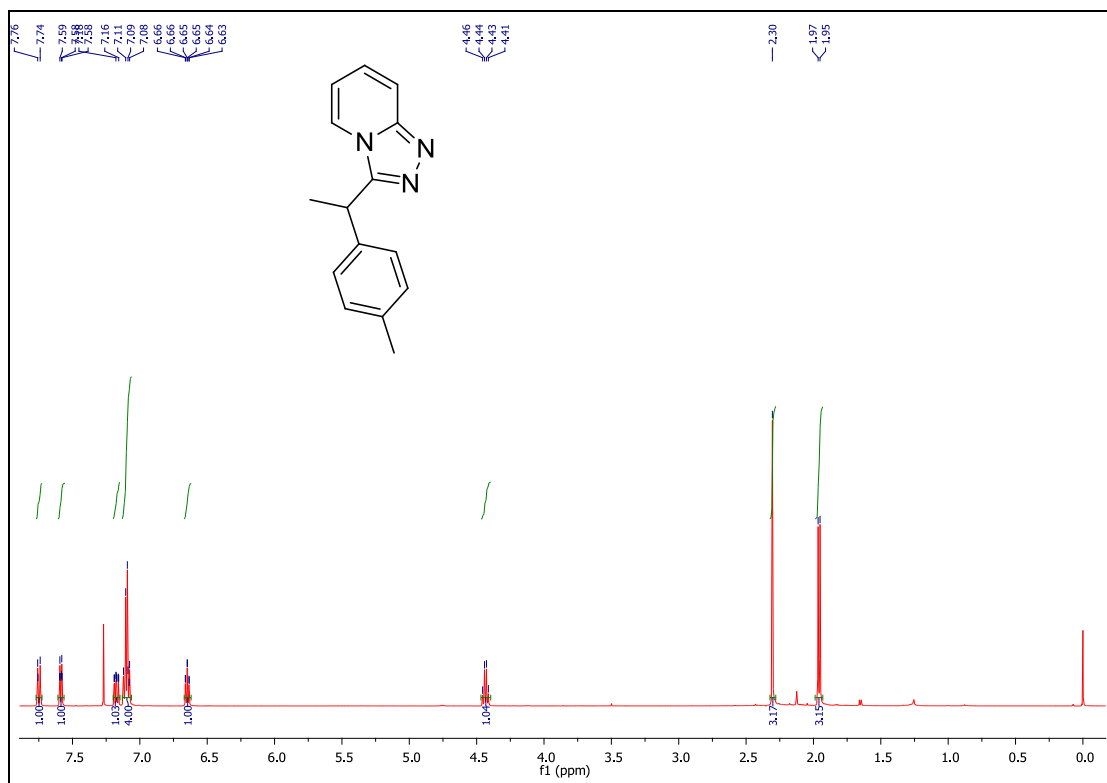
## [1,2,4]Triazolo[4,3-a]pyridine (1)



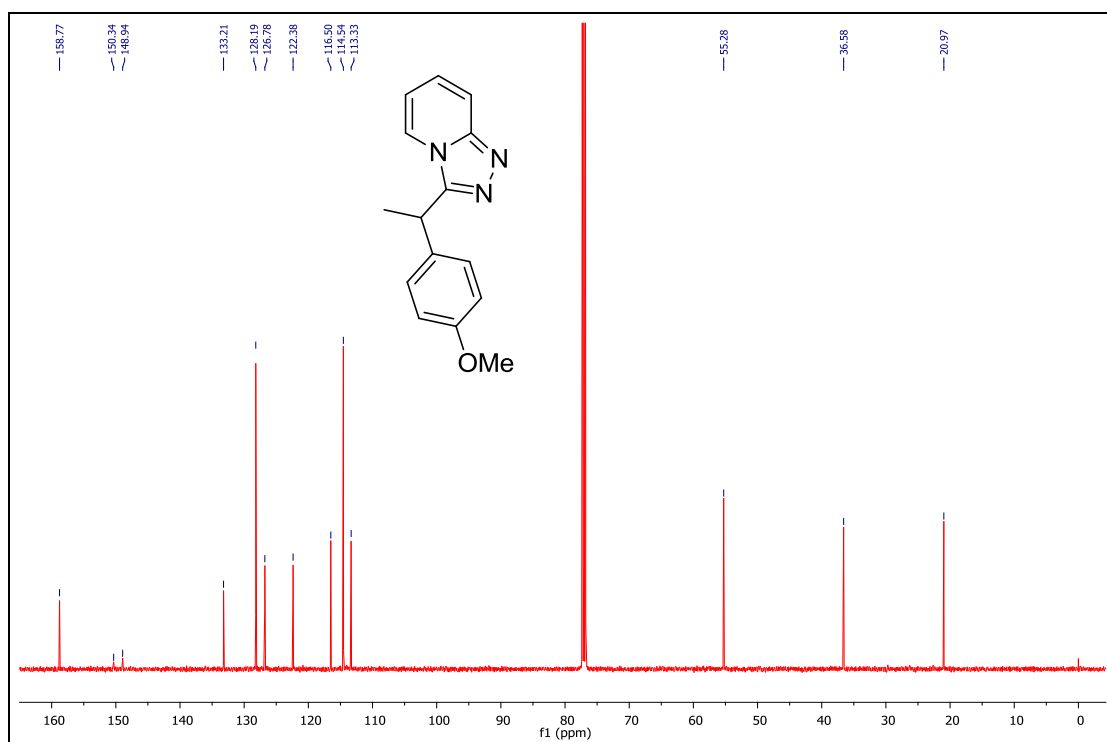
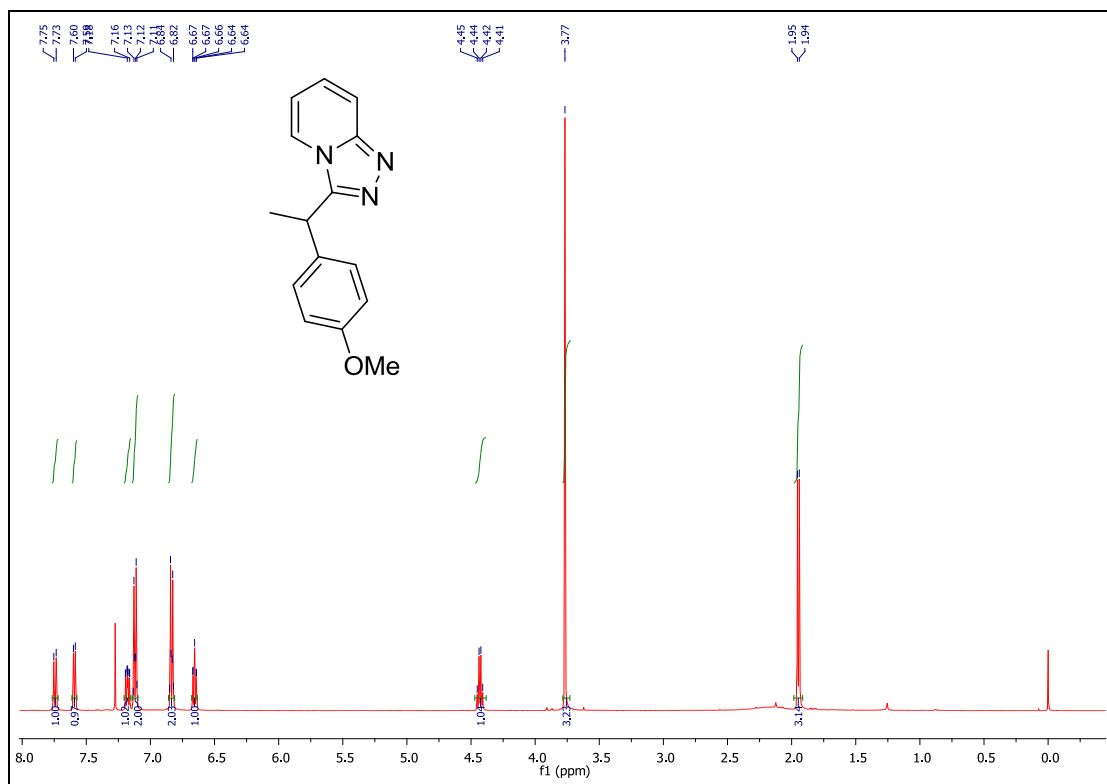
### 3-(1-Phenylethyl)-[1,2,4]triazolo[4,3-a]pyridine (3a)



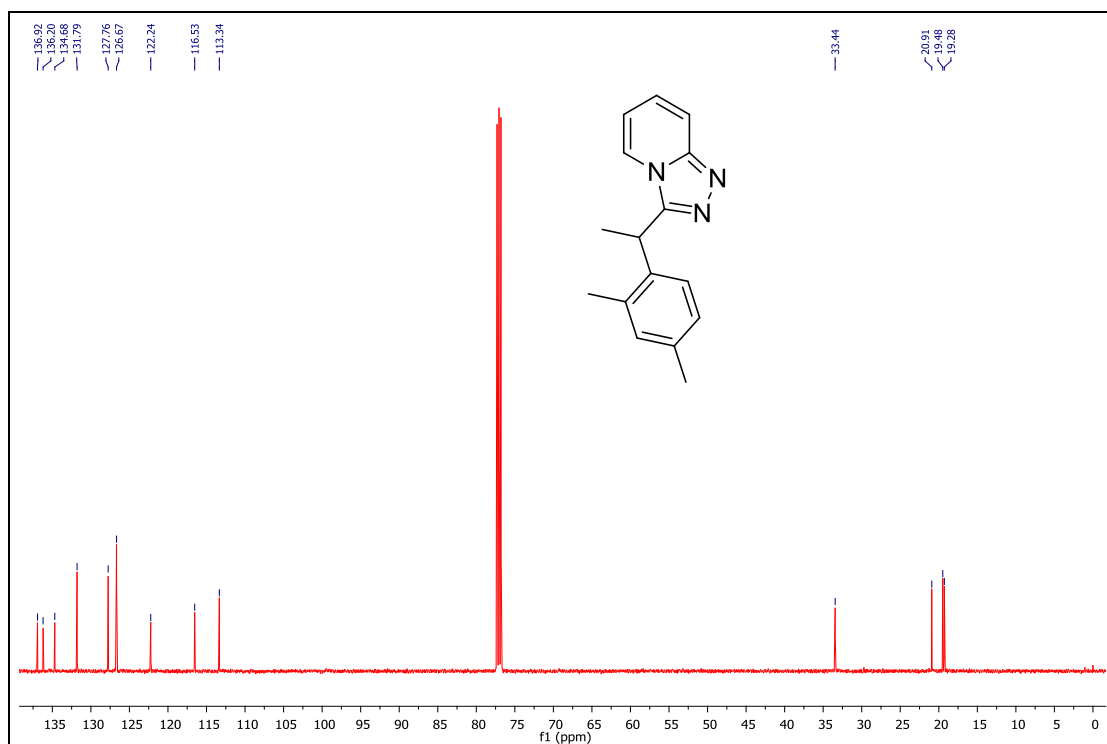
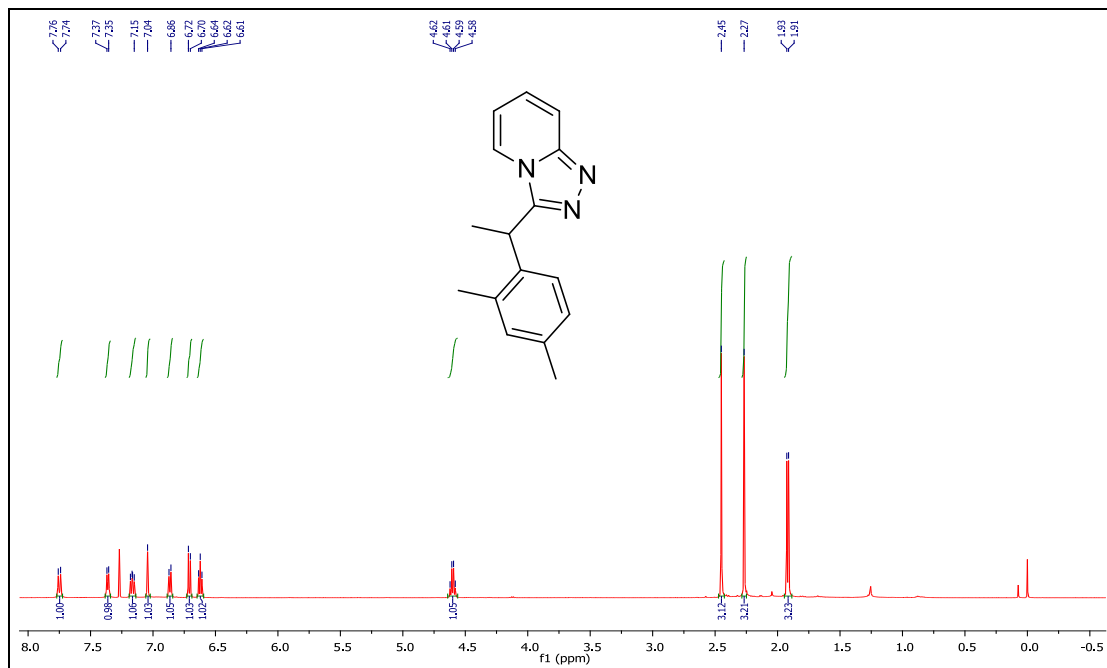
### 3-(1-(*p*-Tolyl)ethyl)-[1,2,4]triazolo[4,3-a]pyridine (3b)



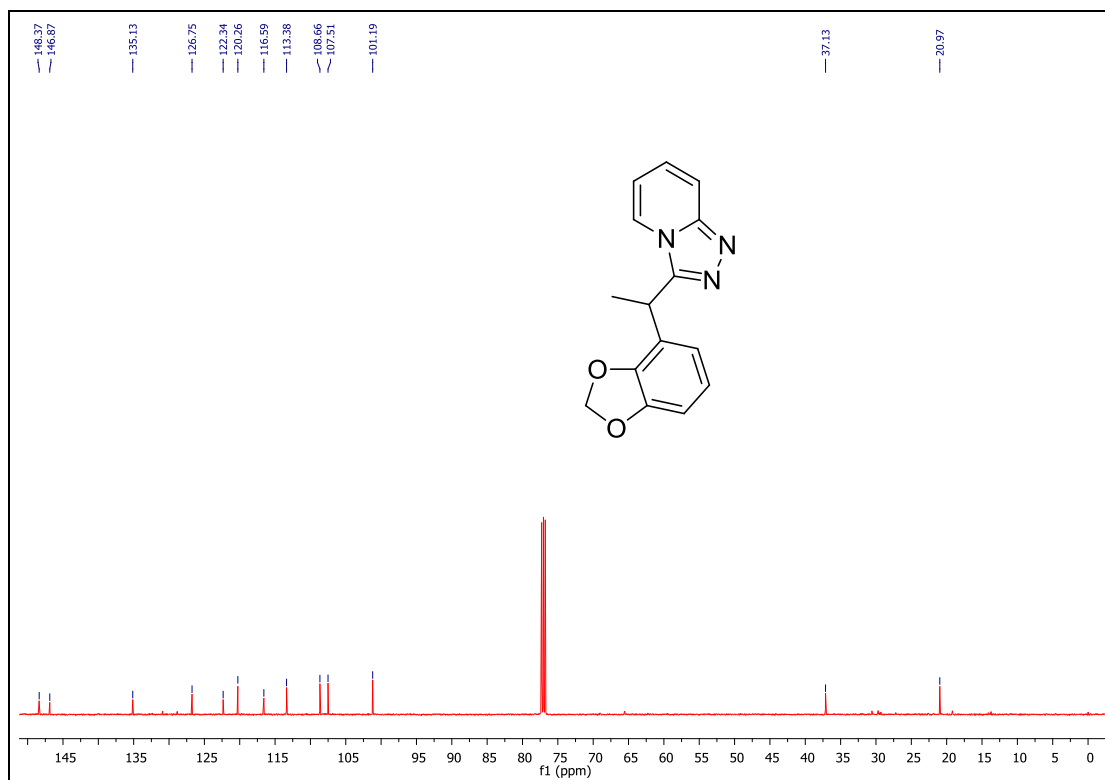
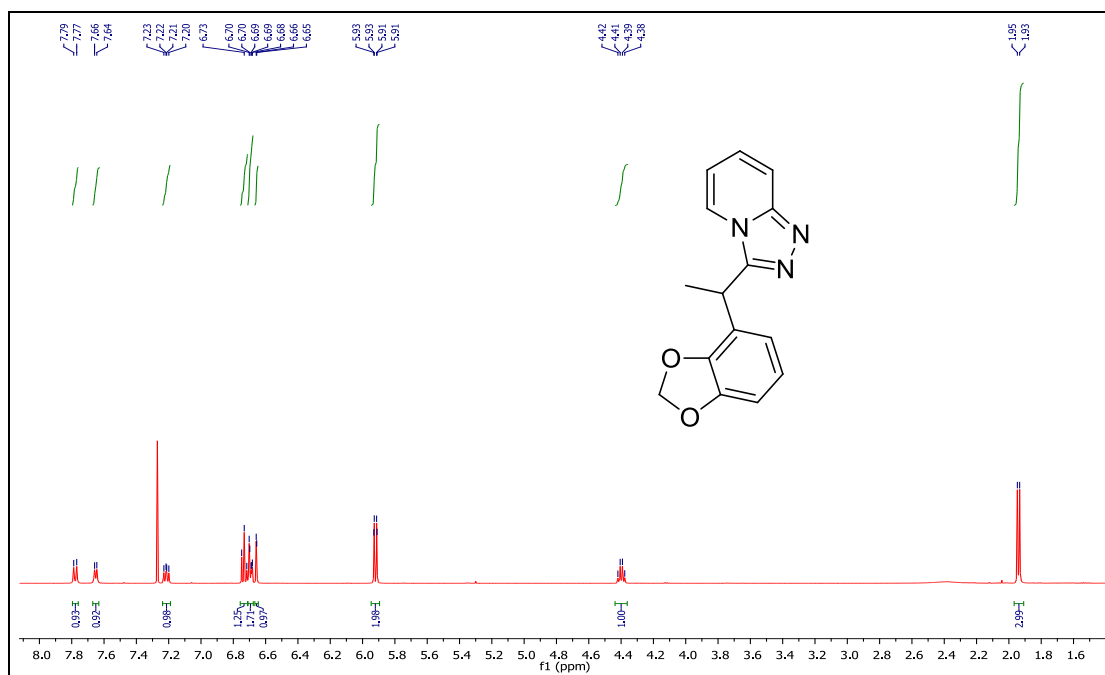
**3-(1-(4-Methoxyphenyl)ethyl)-[1,2,4]triazolo[4,3-a]pyridine (3c)**



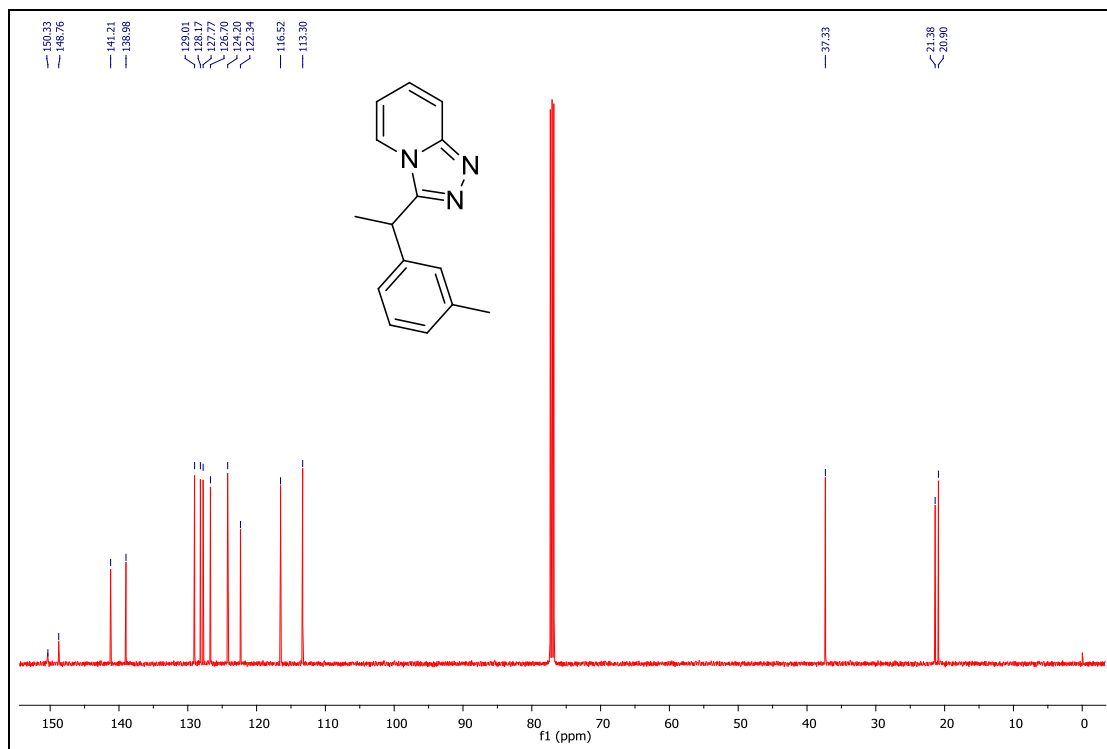
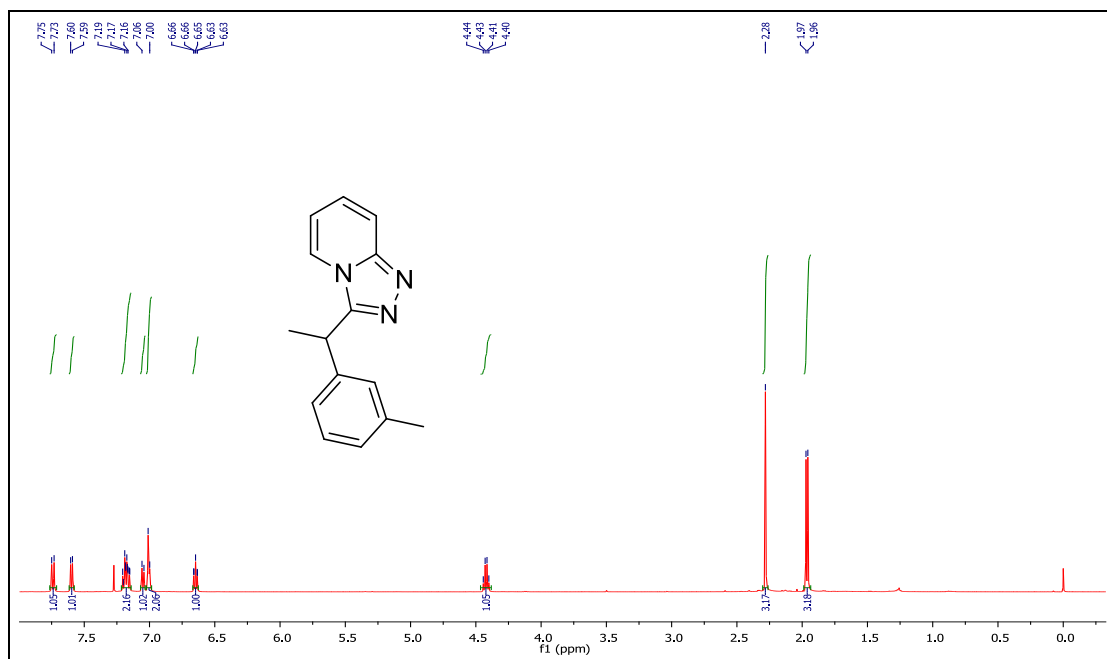
### 3-(1-(2,4-Dimethylphenyl)ethyl)-[1,2,4]triazolo[4,3-a]pyridine (3d)



### 3-(1-(Benzo[d][1,3]dioxol-4-yl)ethyl)-[1,2,4]triazolo[4,3-a]pyridine (3e)

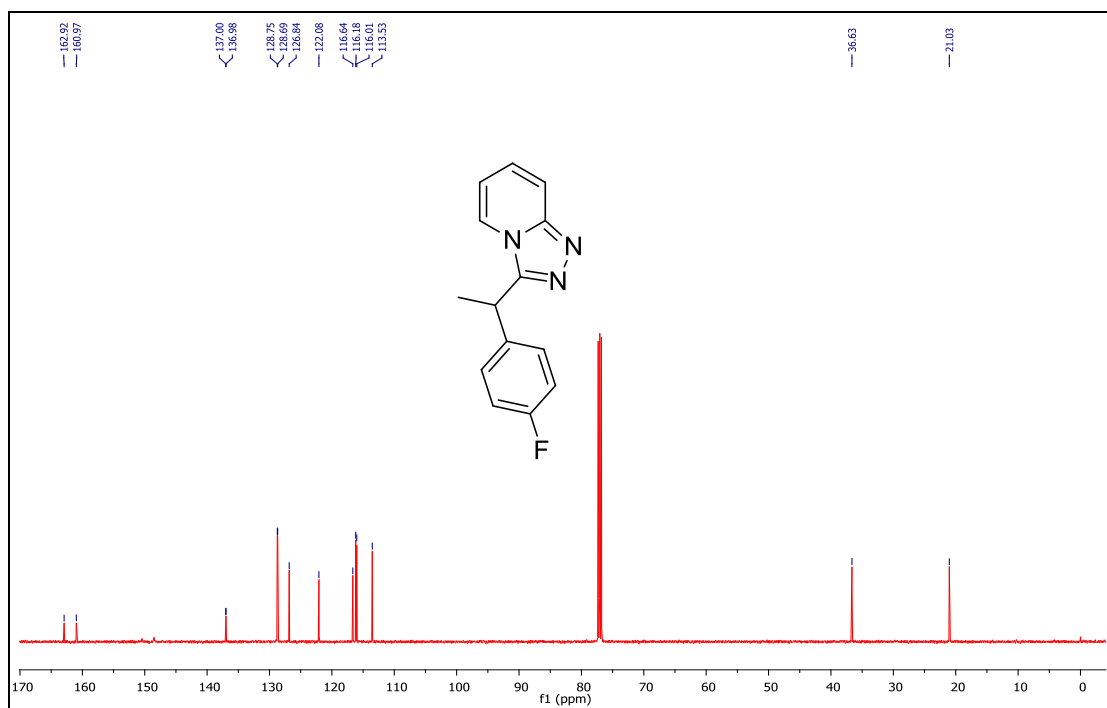
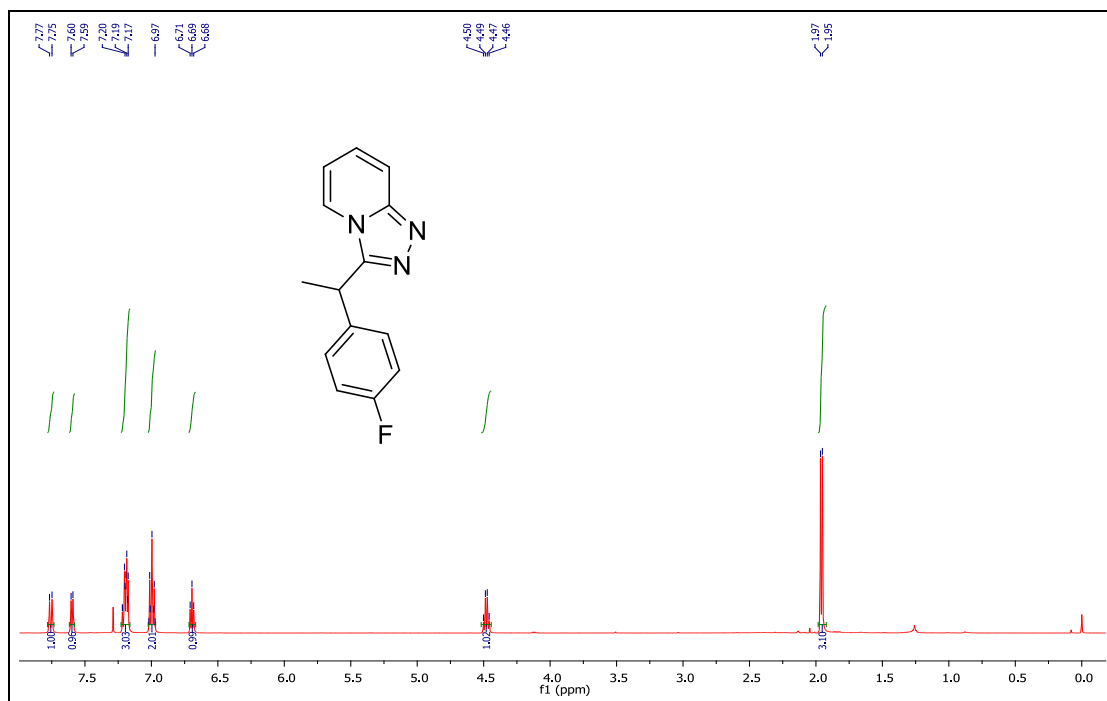


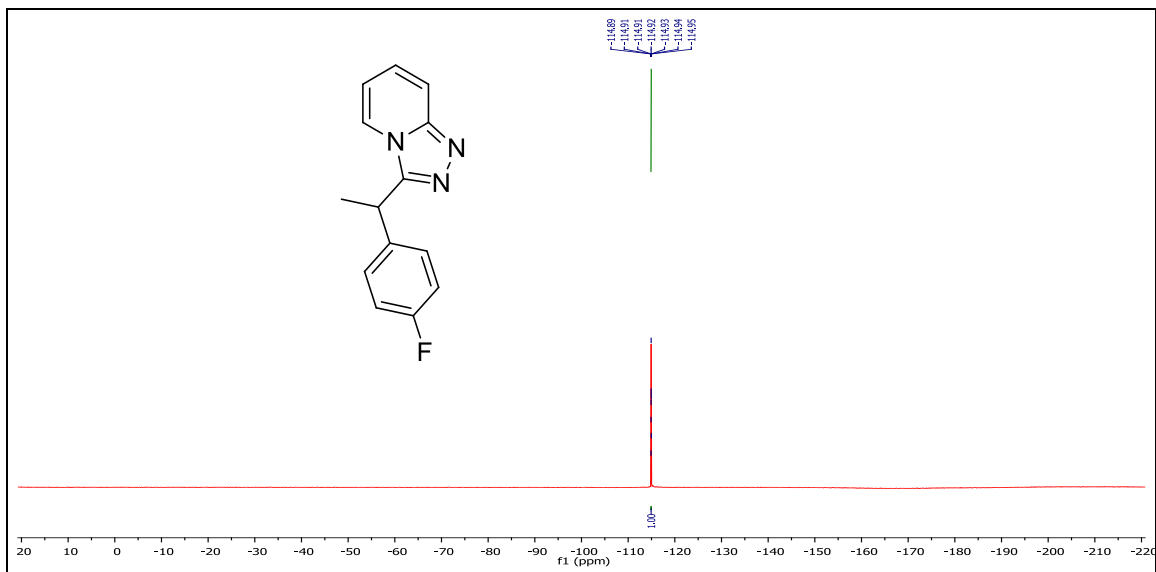
### 3-(1-*m*-Tolyl)ethyl)-[1,2,4]triazolo[4,3-*a*]pyridine (3f)



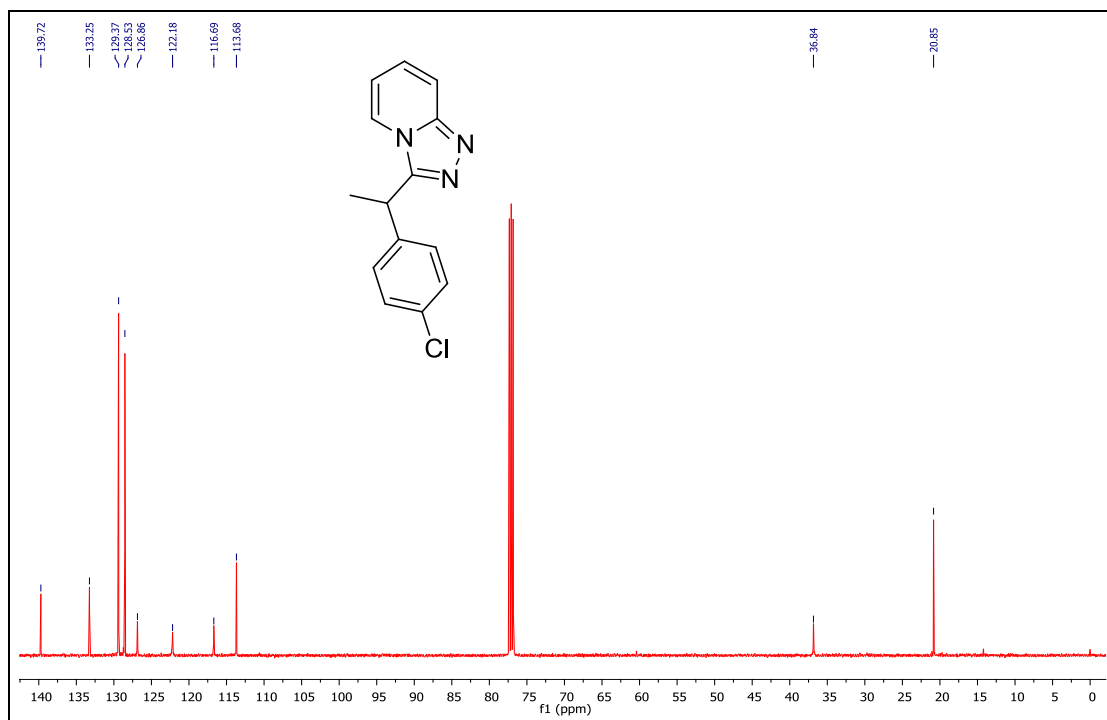
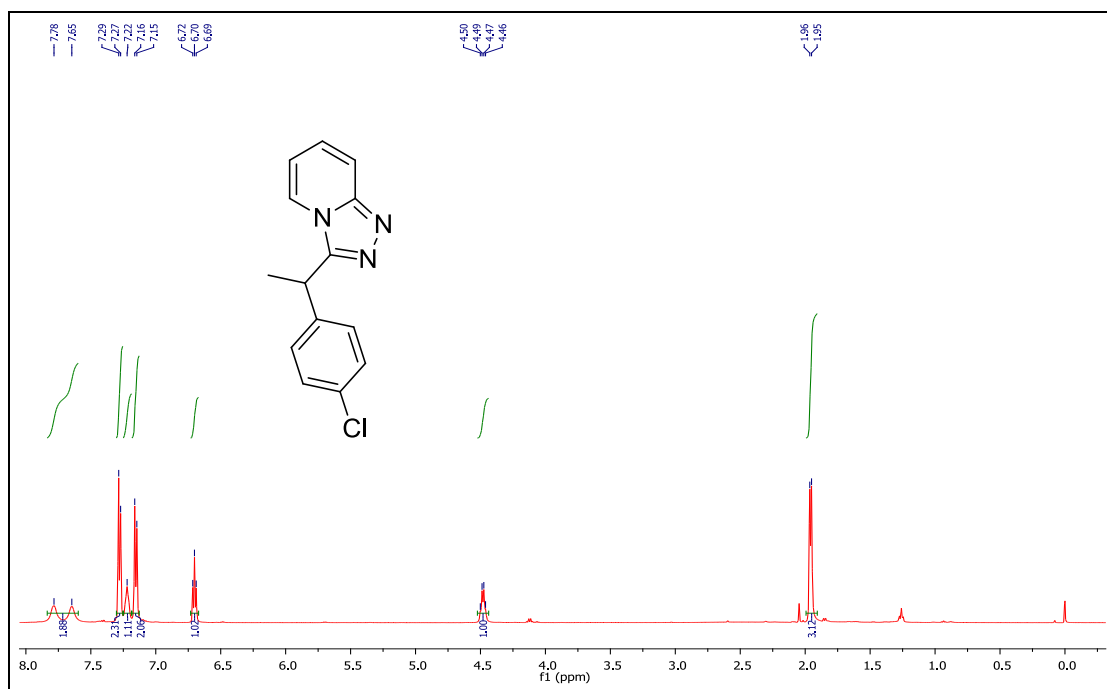


### 3-(1-(4-Fluorophenyl)ethyl)-[1,2,4]triazolo[4,3-a]pyridine (3g)

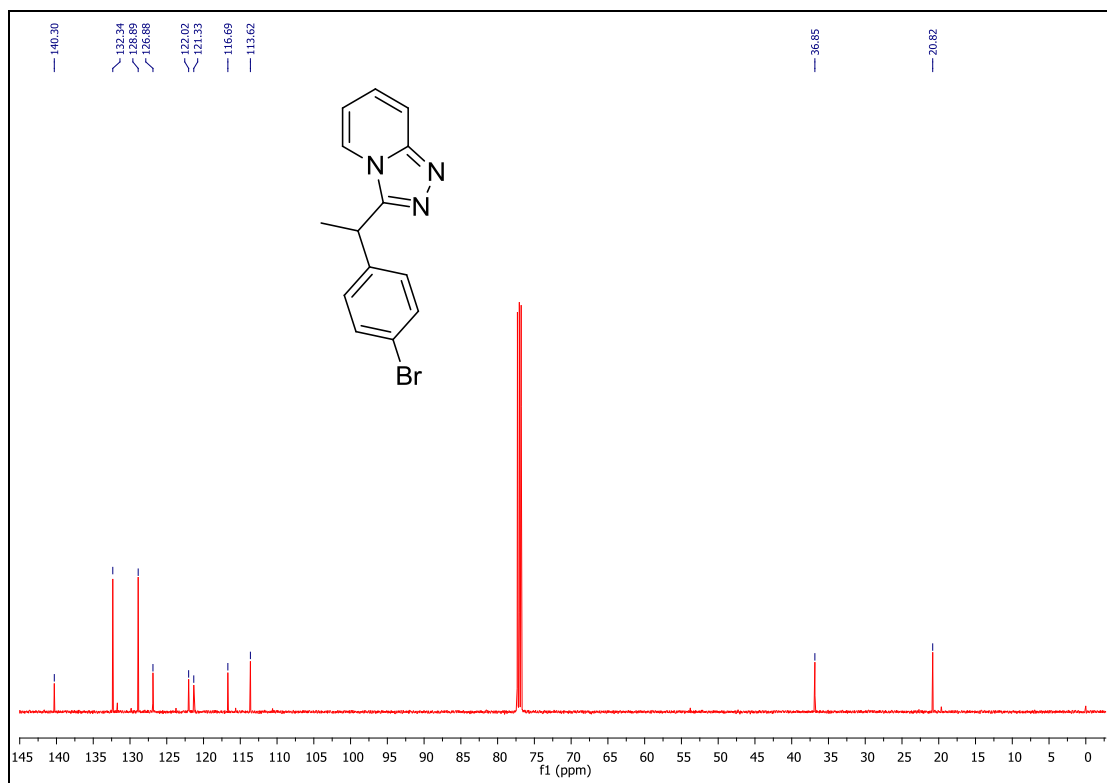
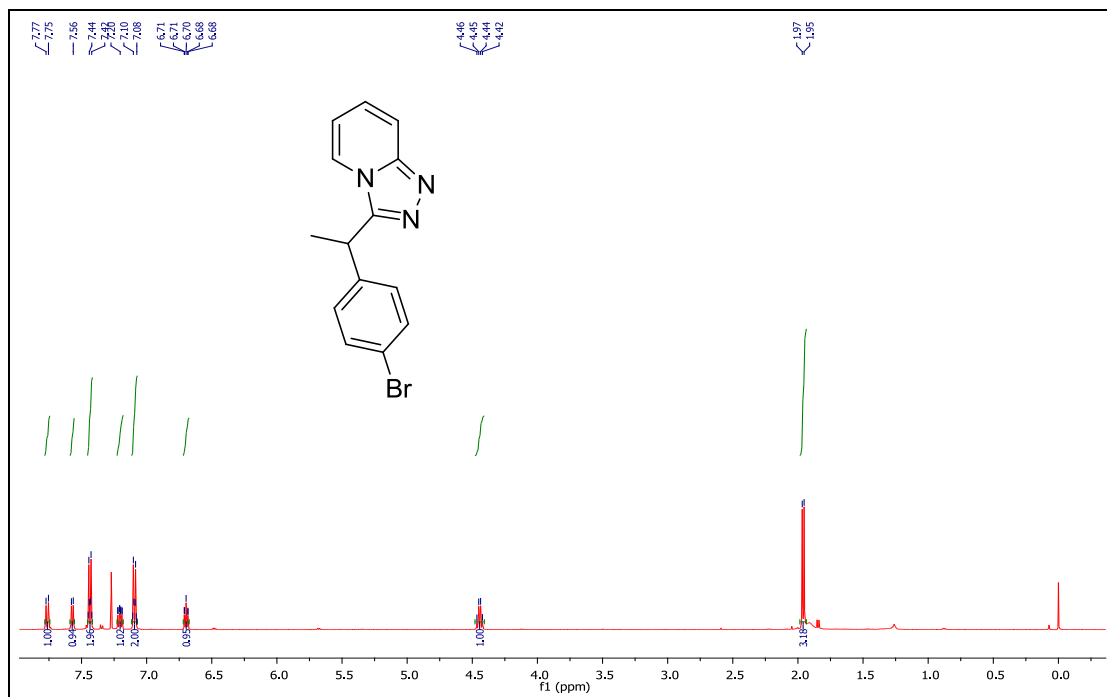




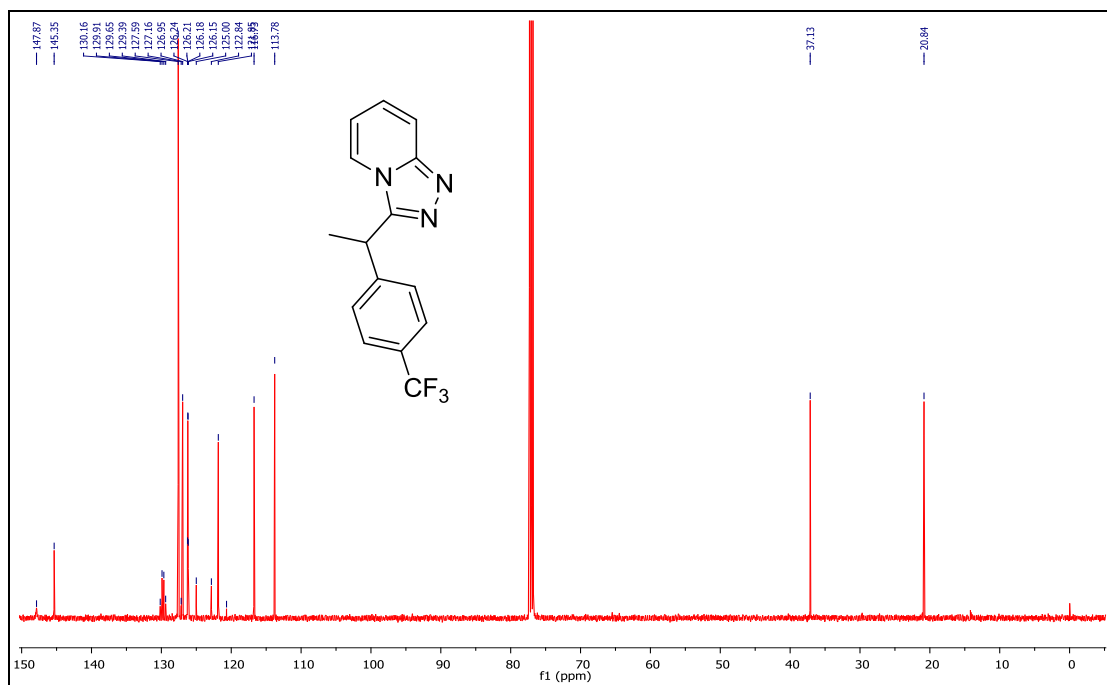
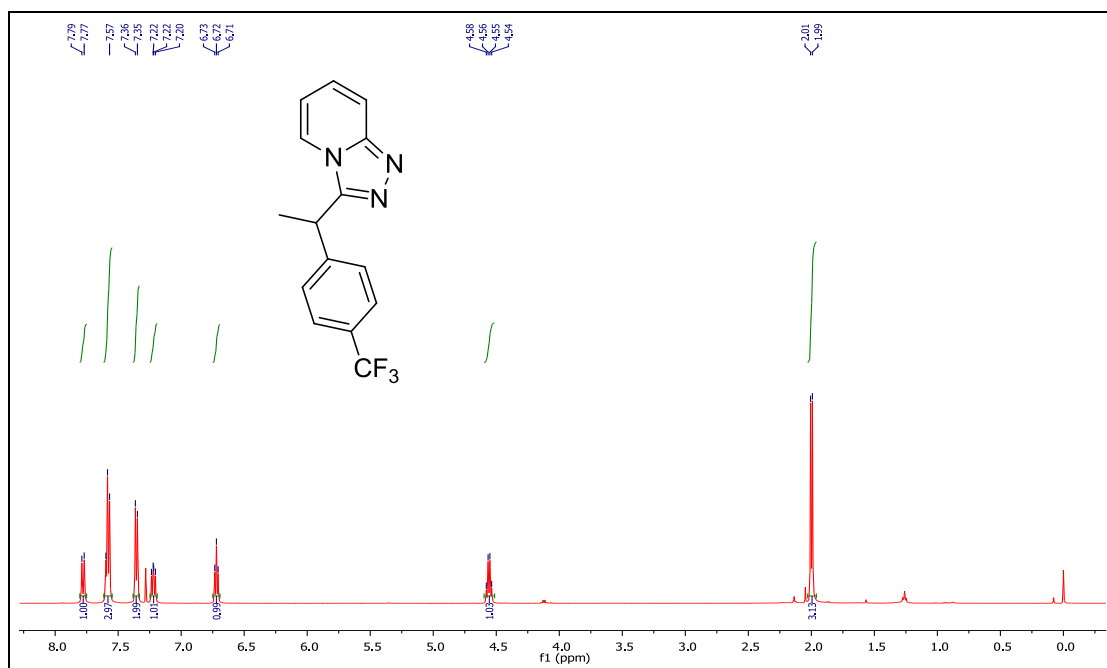
### 3-(1-(4-Chlorophenyl)ethyl)-[1,2,4]triazolo[4,3-a]pyridine (3h)

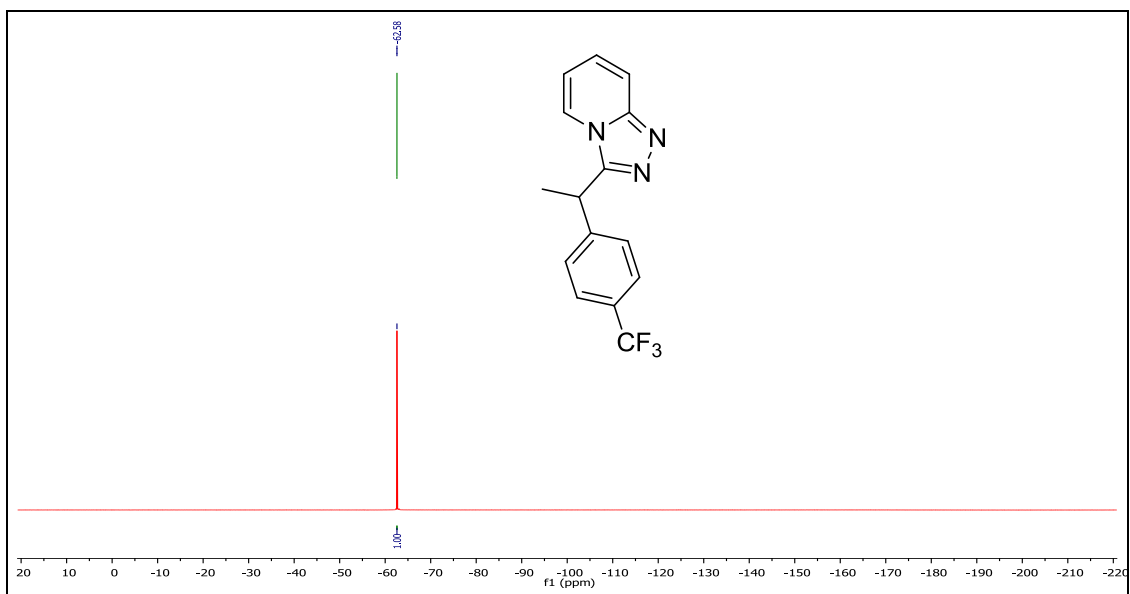


### 3-(1-(4-Bromophenyl)ethyl)-[1,2,4]triazolo[4,3-a]pyridine (3i)

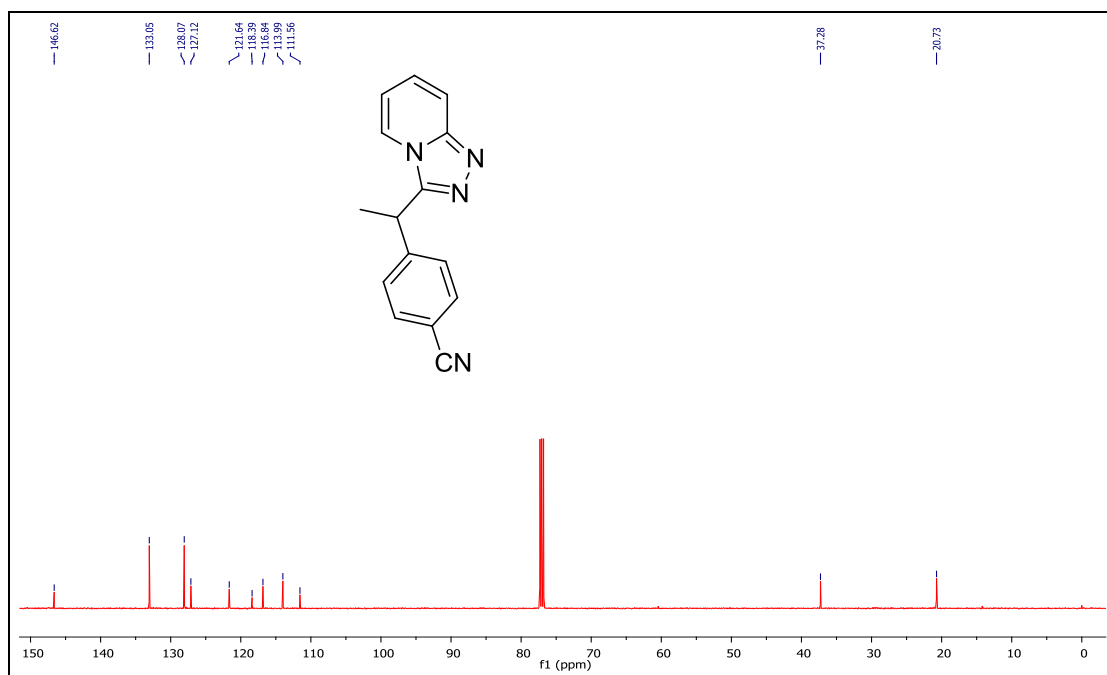
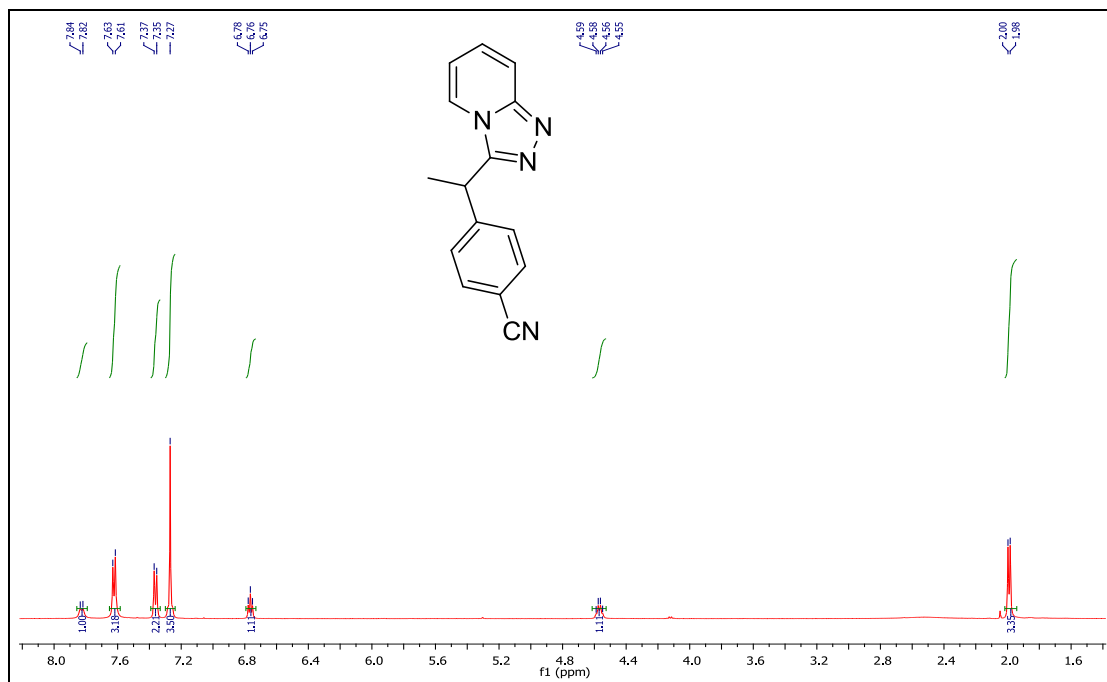


**3-(1-(4-(Trifluoromethyl)phenyl)ethyl)-[1,2,4]triazolo[4,3-a]pyridine (3j)**

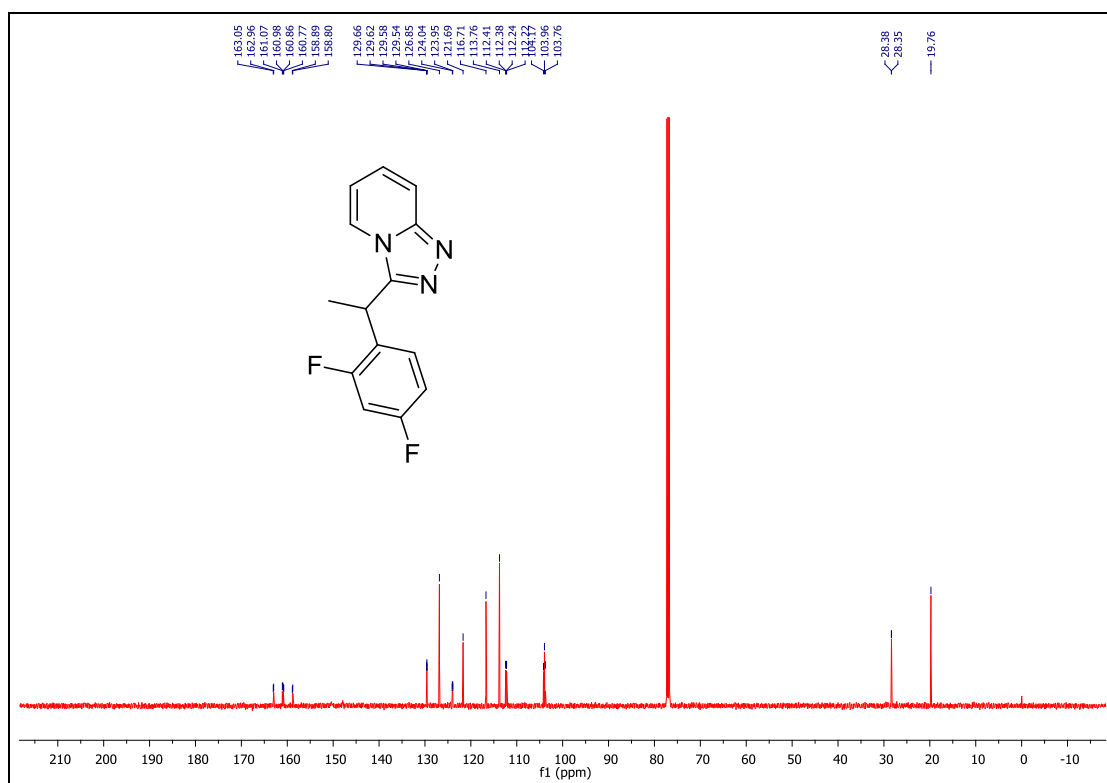
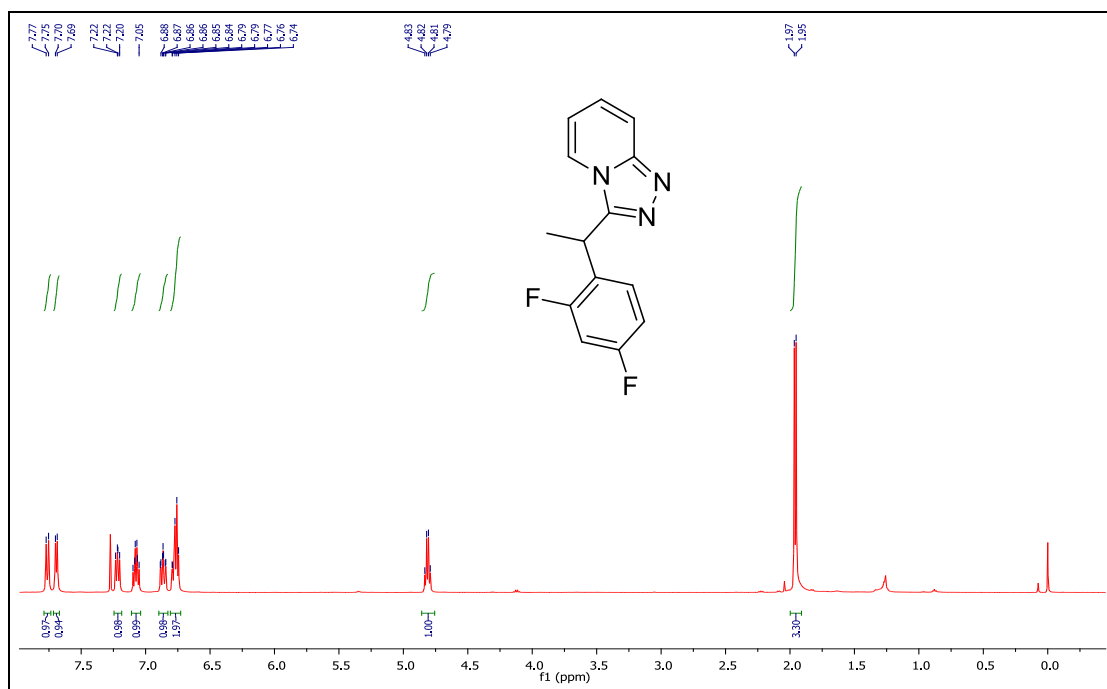




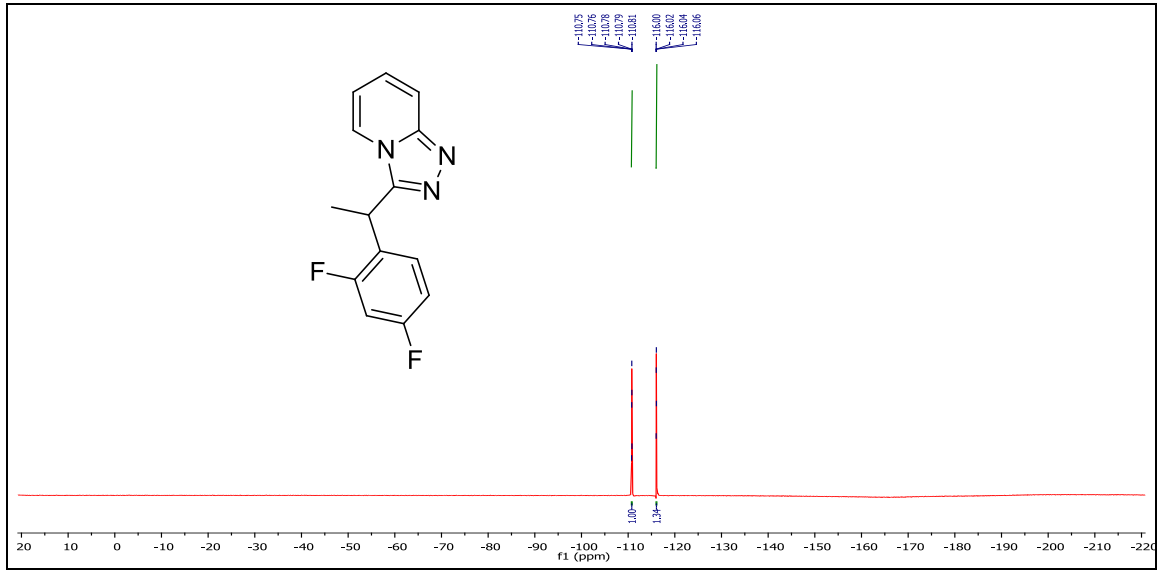
4-(1-([1,2,4]Triazolo[4,3-a]pyridin-3-yl)ethyl)benzonitrile (3k)



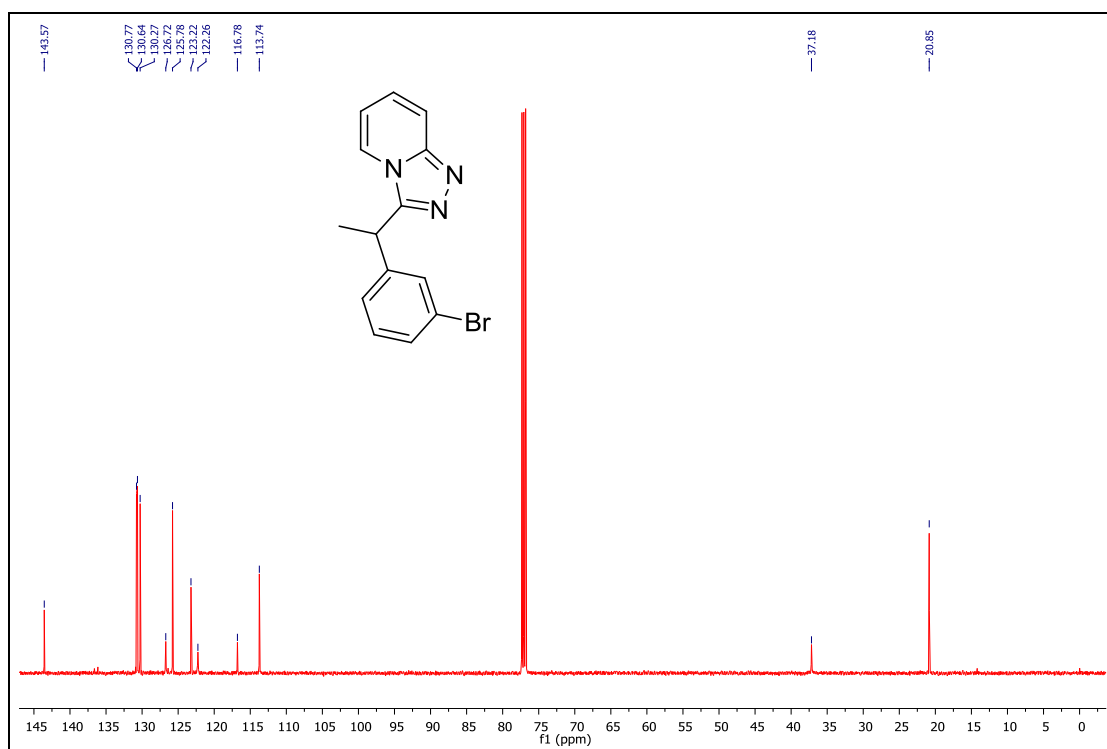
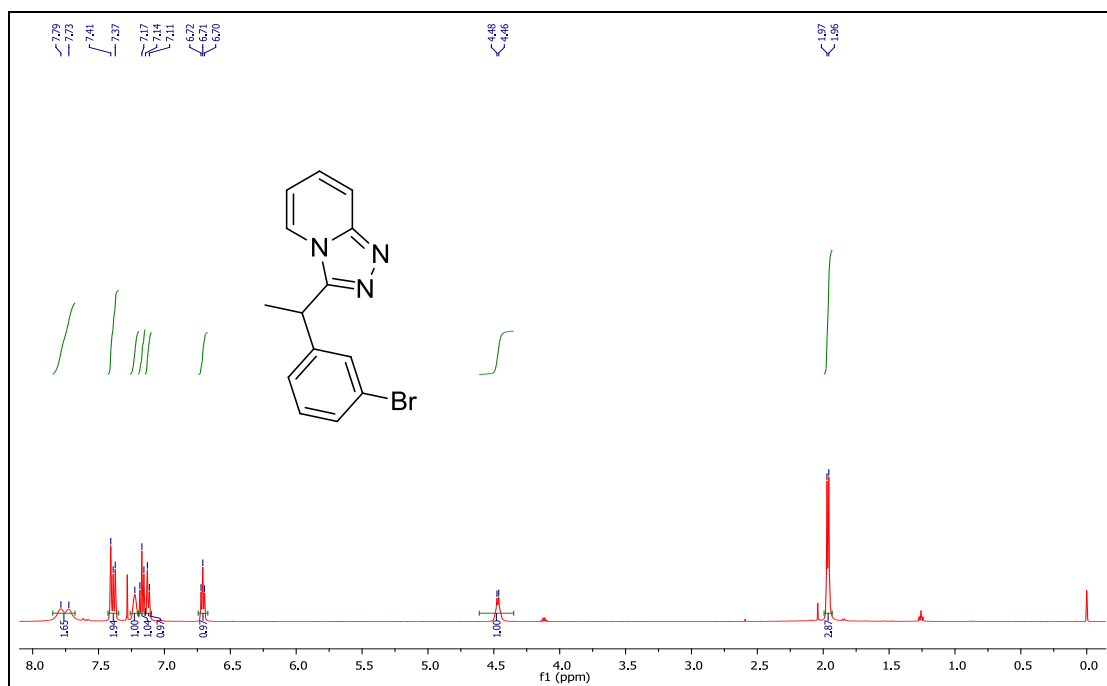
### 3-(1-(2,4-Difluorophenyl)ethyl)-[1,2,4]triazolo[4,3-a]pyridine (3l)



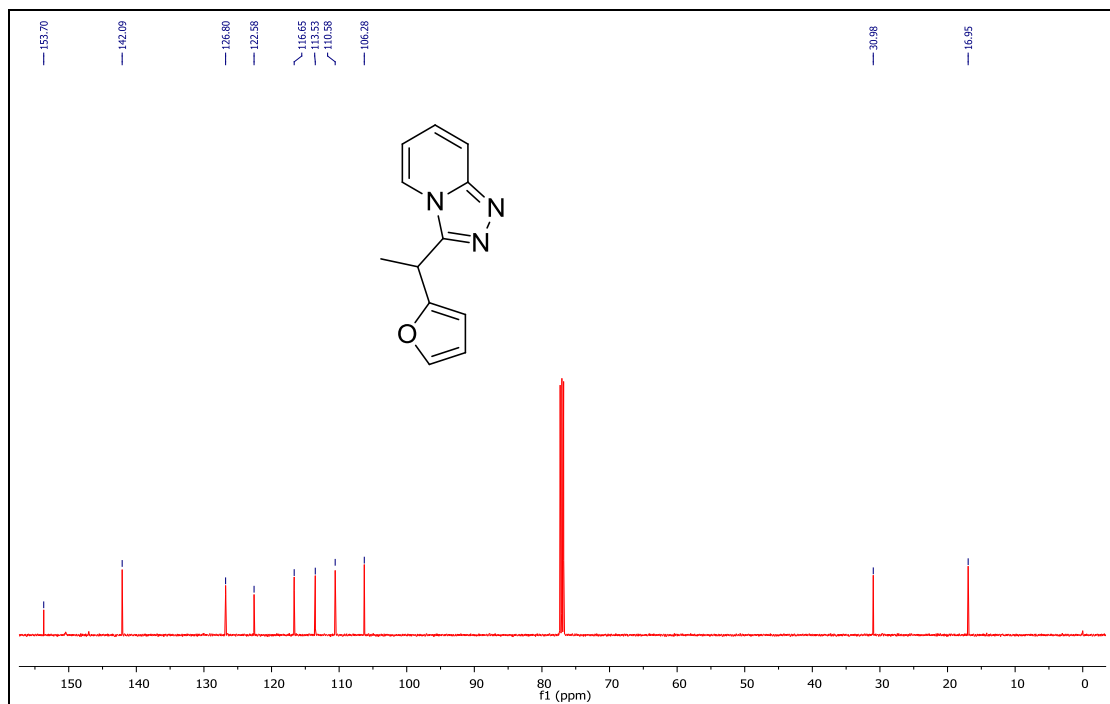
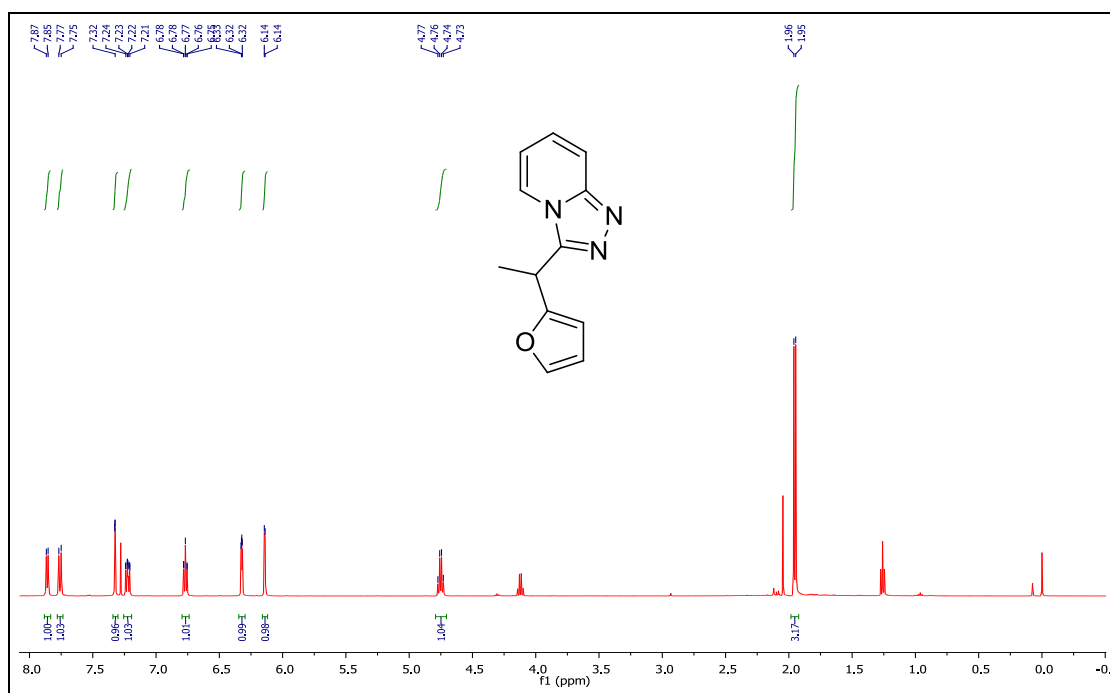




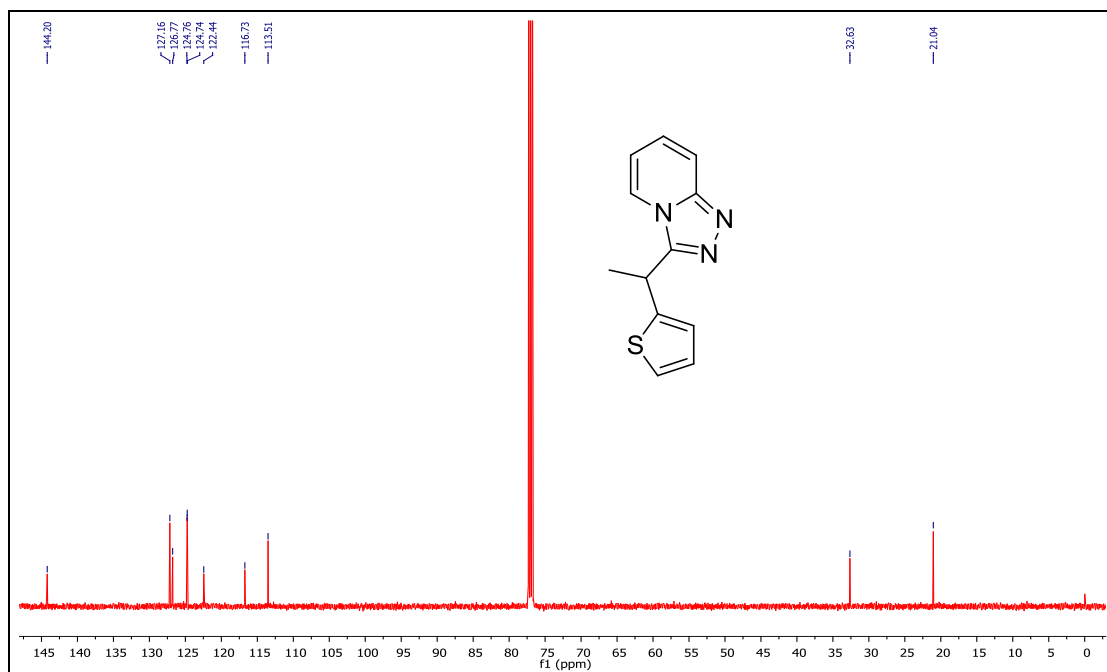
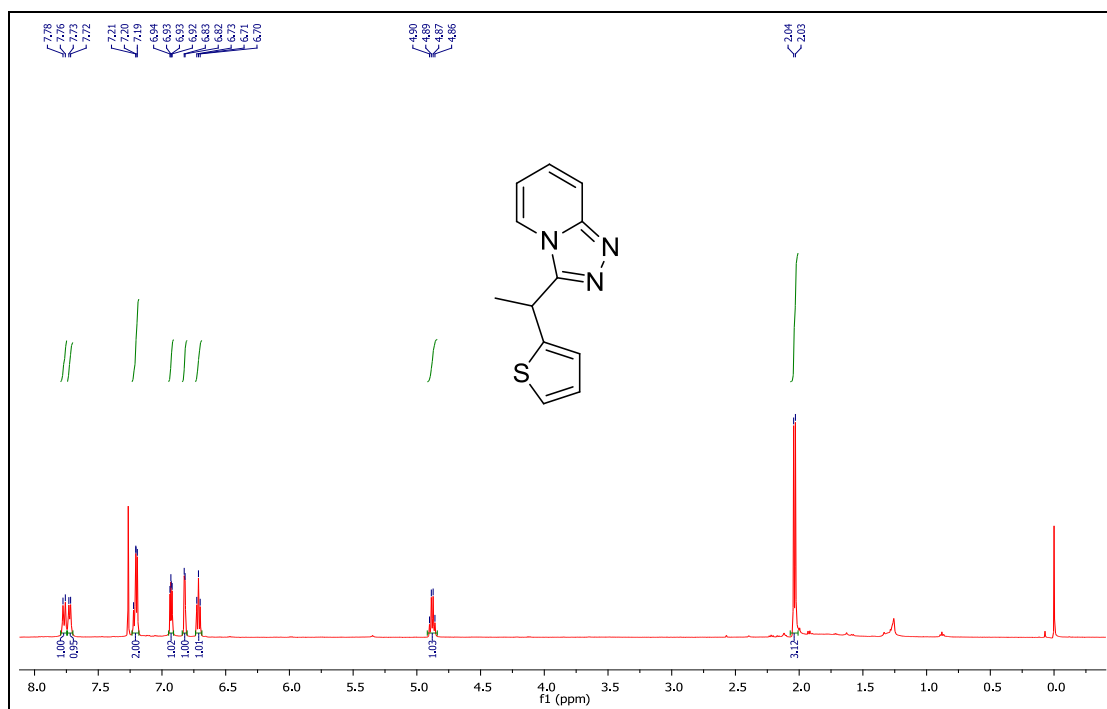
### 3-(1-(3-Bromophenyl)ethyl)-[1,2,4]triazolo[4,3-a]pyridine (3m)



### 3-(1-(Furan-2-yl)ethyl)-[1,2,4]triazolo[4,3-a]pyridine (3n)

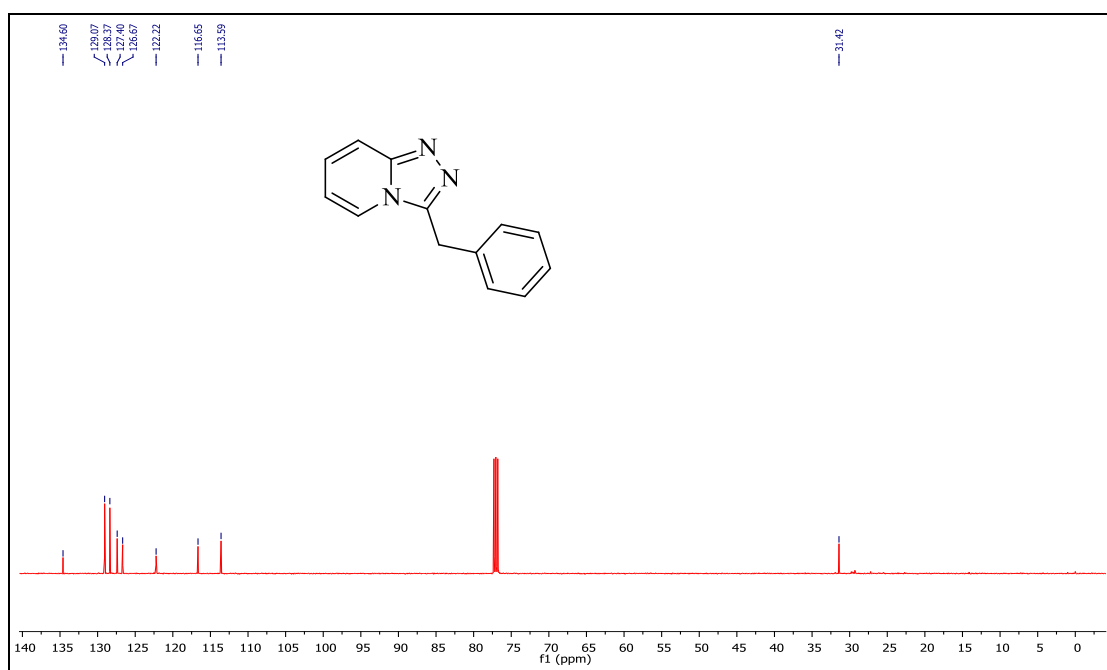
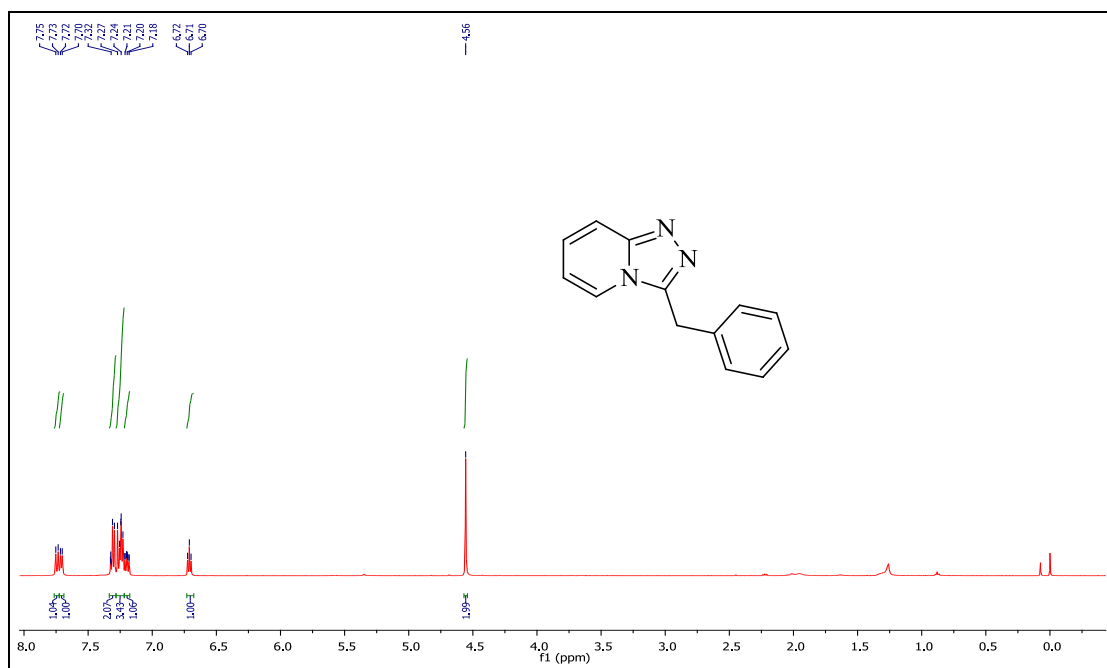


### 3-(1-(Thiophen-2-yl)ethyl)-[1,2,4]triazolo[4,3-a]pyridine (3o)

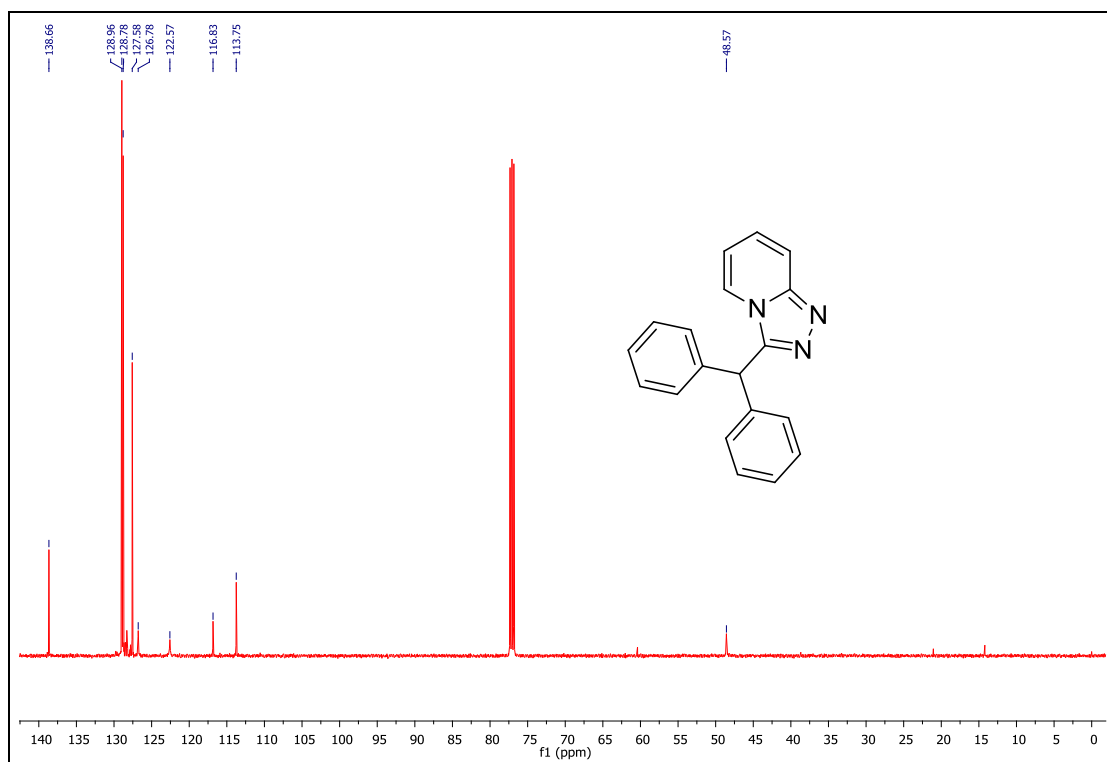
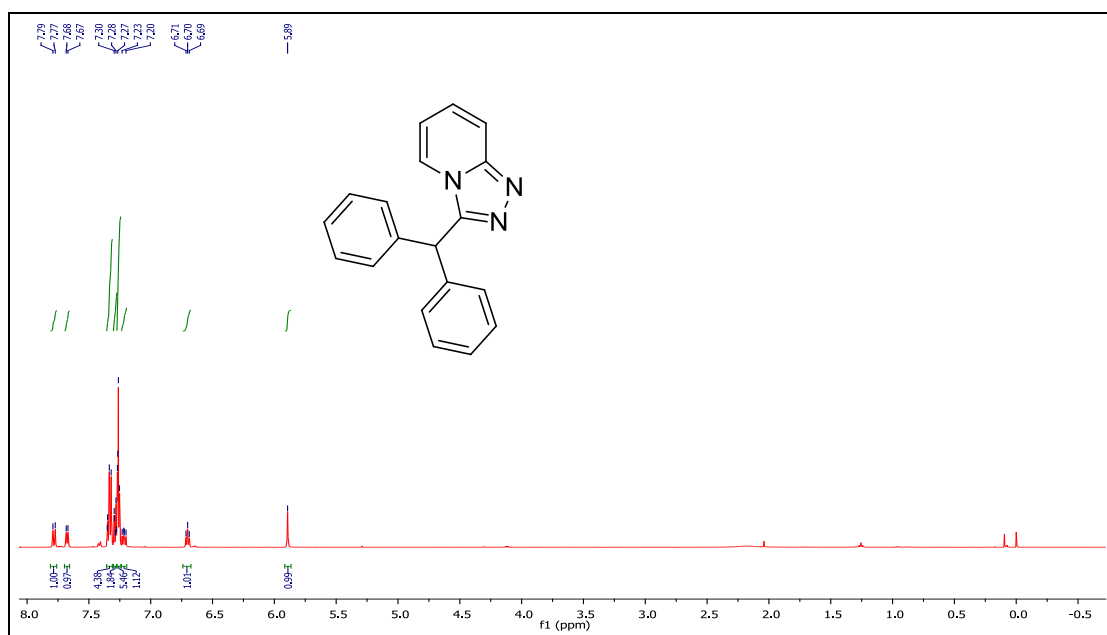




### 3-Benzyl-[1,2,4]triazolo[4,3-a]pyridine (3q)



### 3-Benzhydryl-[1,2,4]triazolo[4,3-a]pyridine (3r)







**6-Bromo-3-(1-phenylethyl)-[1,2,4]triazolo[4,3-a]pyridine(5b)**

