

## **Supporting Information**

# **Base-Mediated Stereospecific Synthesis of Aryloxy and Amino Substituted Ethyl Acrylates**

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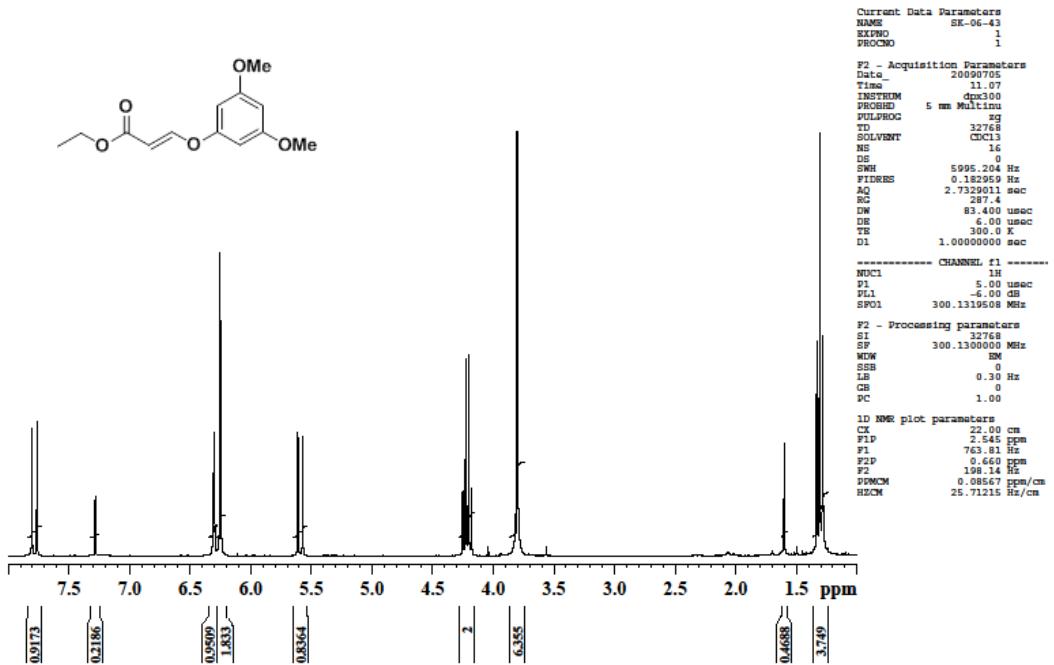
### **<sup>1</sup>H and <sup>13</sup>C NMR spectral data for all products.**

Products from Table 1 & 4: S2-S15

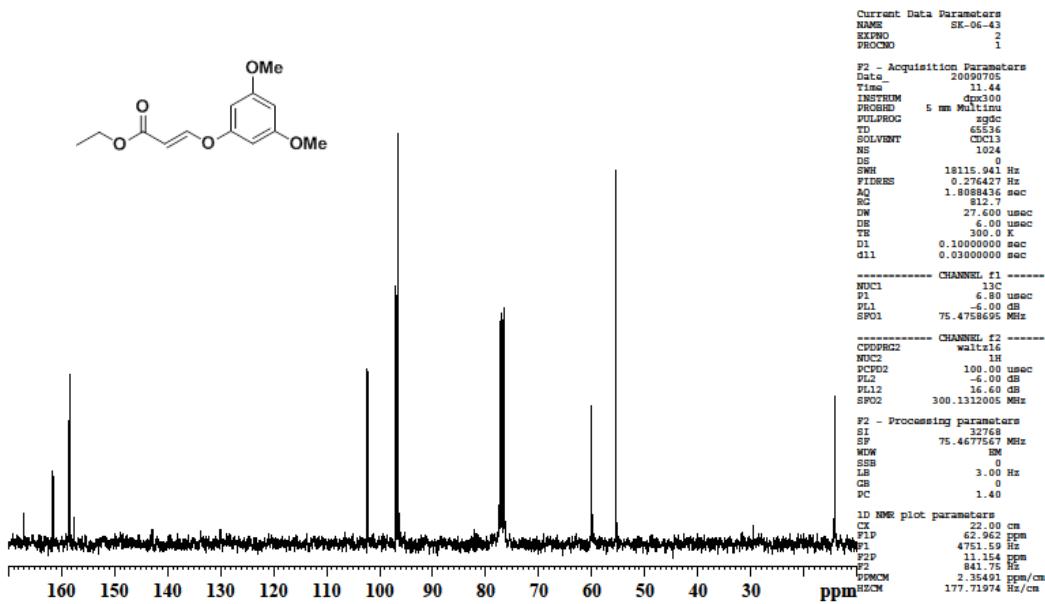
Products from Table 3: S16-S27

## (E)-Ethyl 3-(3,5-dimethoxyphenoxy)acrylate (2)

## Proton Spectrum

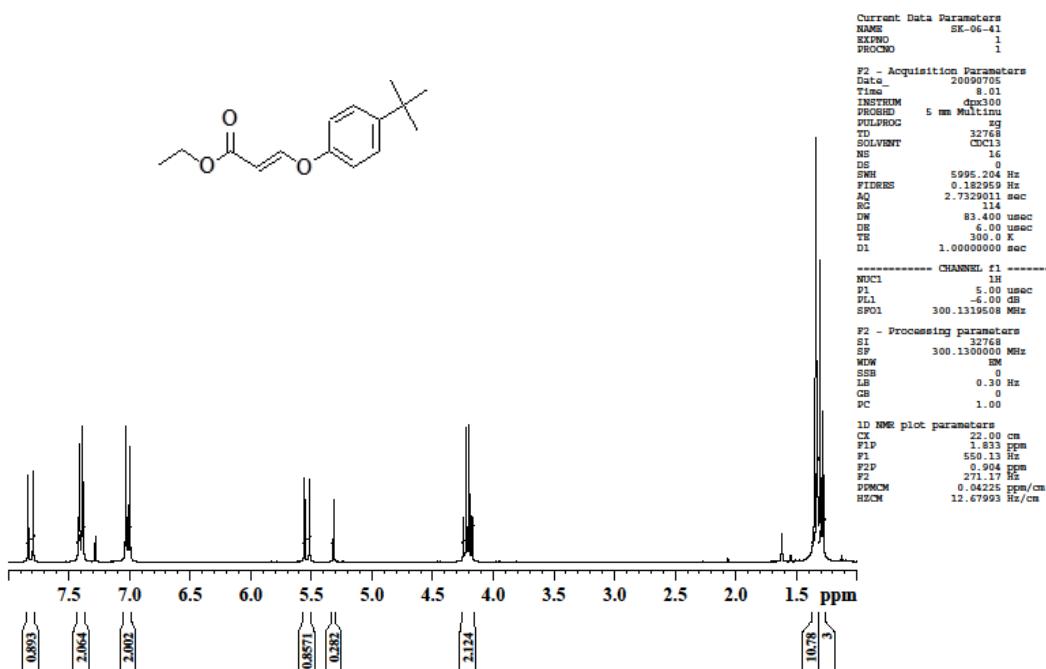


## Carbon Spectrum

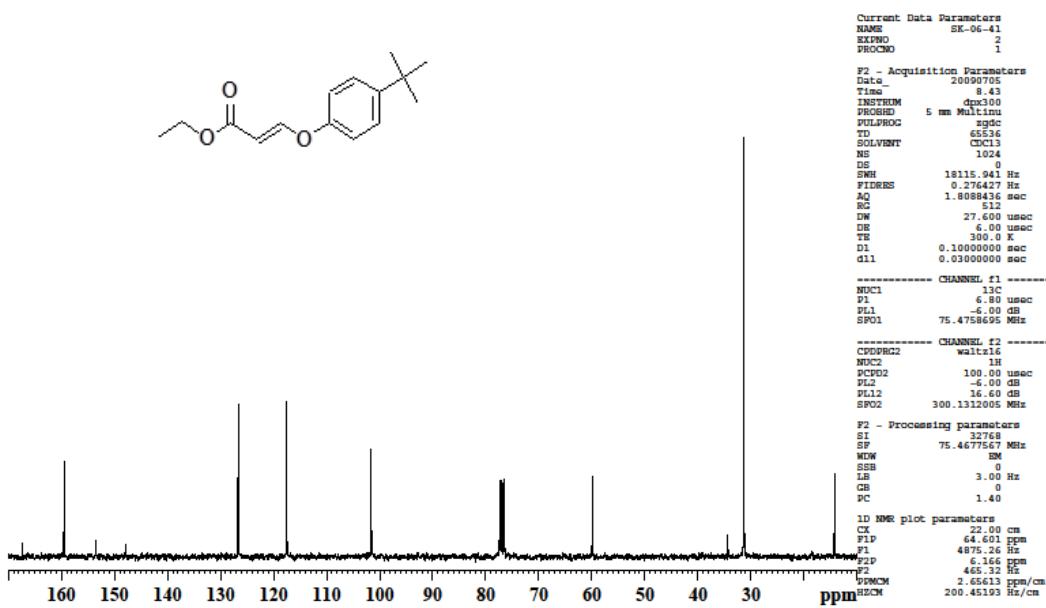


(E)-Ethyl 3-(4-*tert*-butylphenoxy) acrylate (3)

## Proton Spectrum

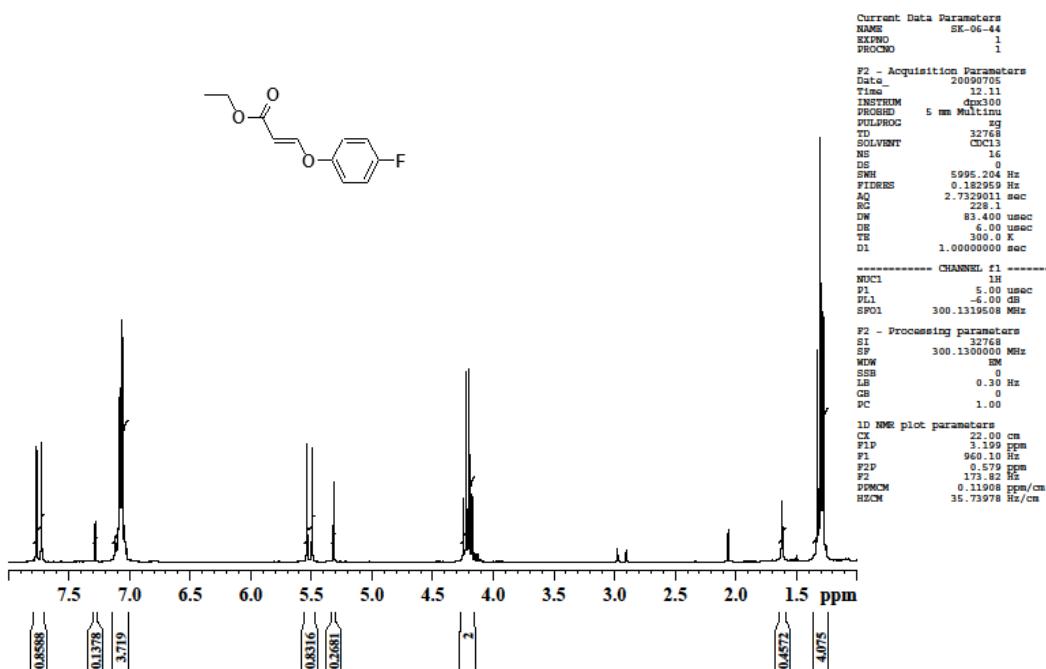


## Carbon Spectrum

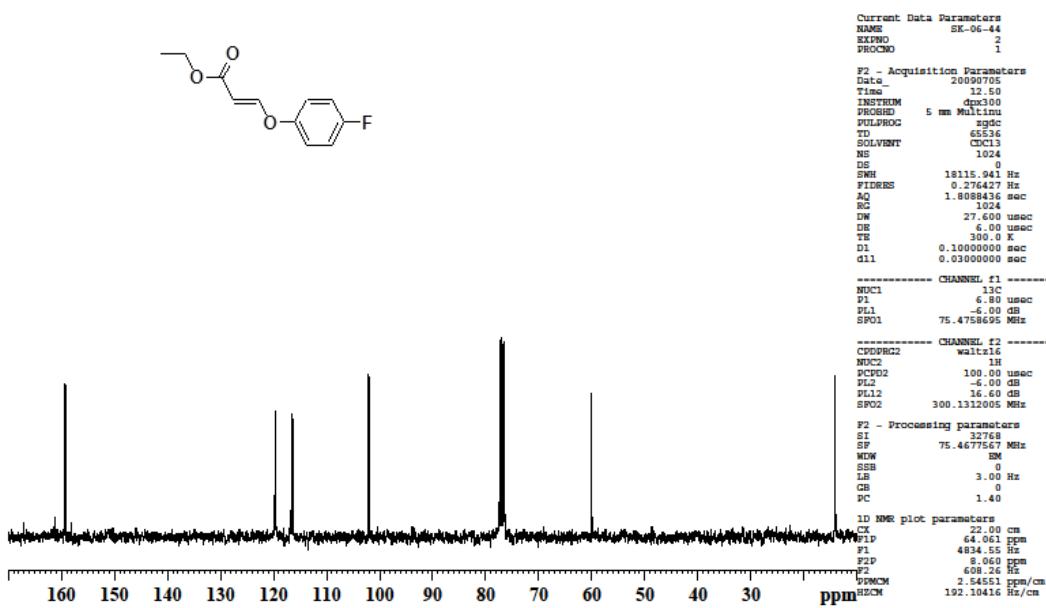


## (E)-Ethyl 3-(4-fluorophenoxy) acrylate (4)

## Proton Spectrum

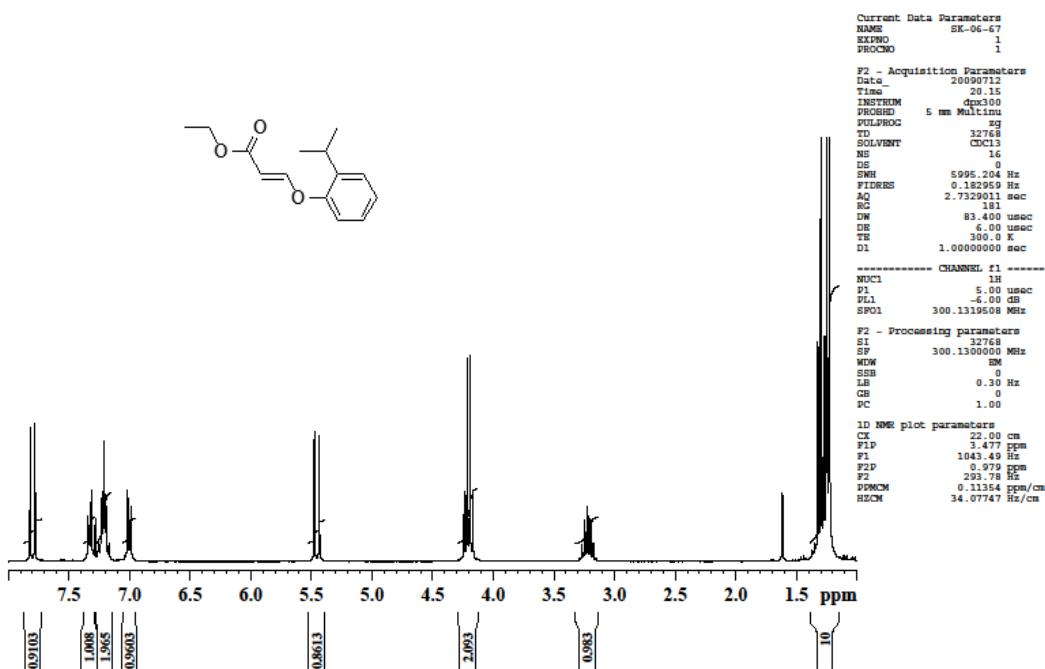


## Carbon Spectrum

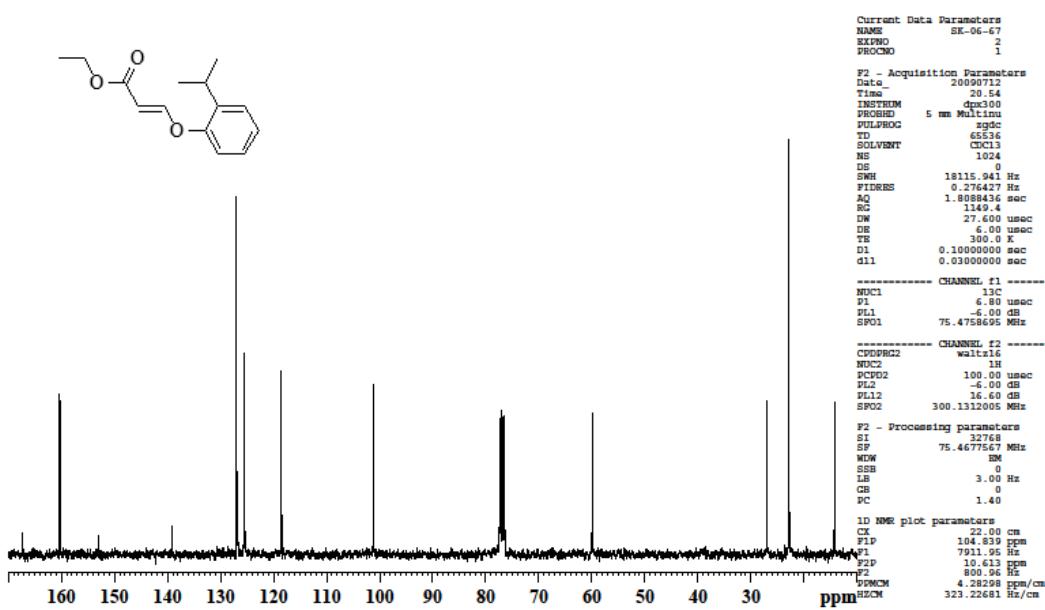


## (E)-Ethyl 3-(2-isopropylphenoxy) acrylate (5)

## Proton Spectrum

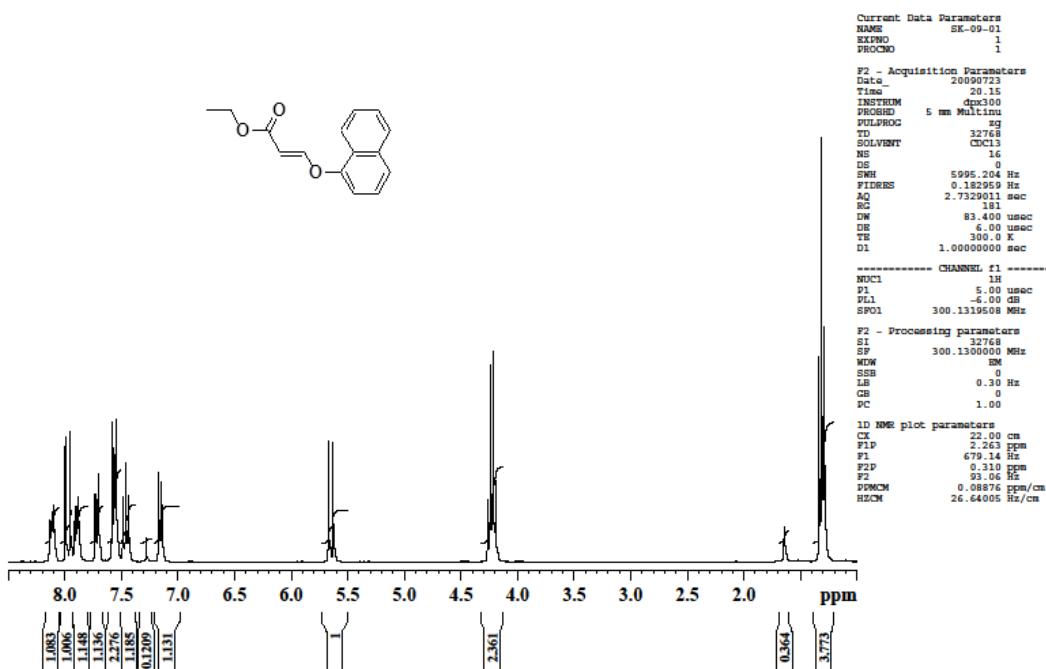


## Carbon Spectrum

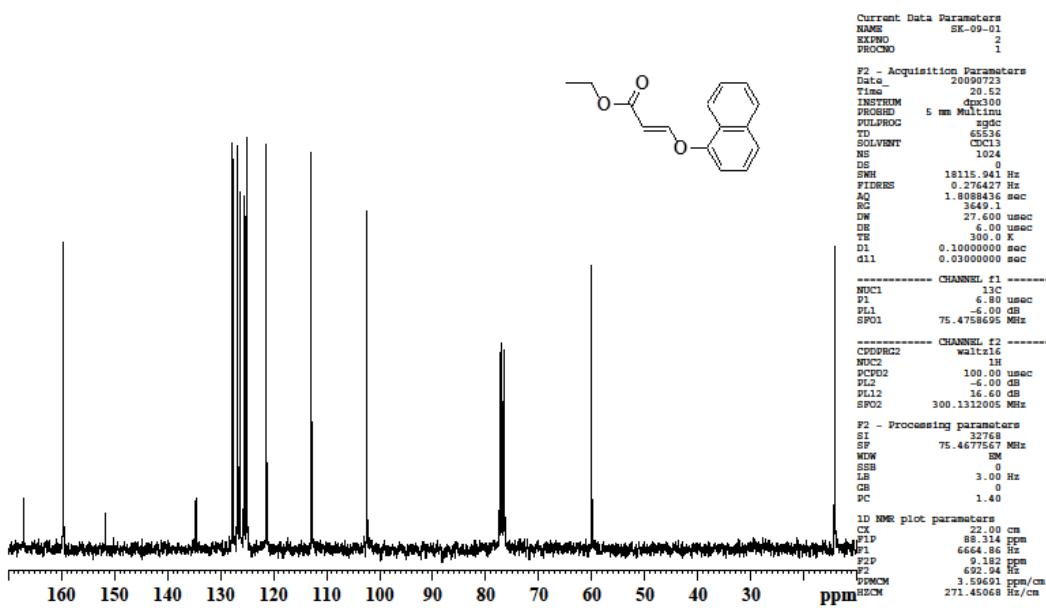


## (E)-Ethyl -3-(naphthalen-1-yloxy) acrylate (6)

## Proton Spectrum

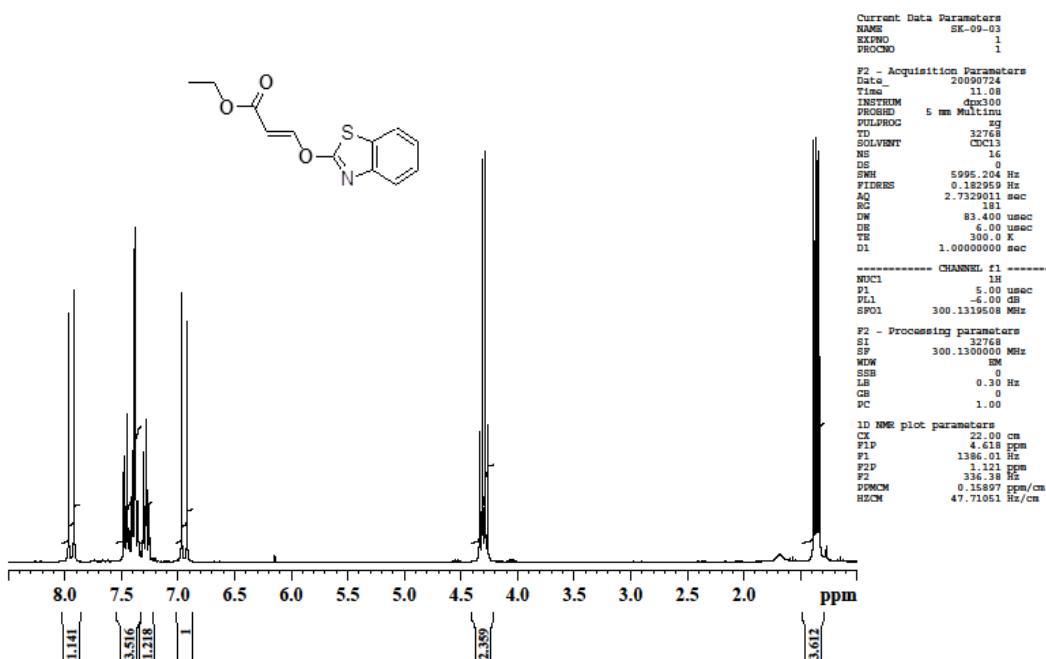


## Carbon Spectrum

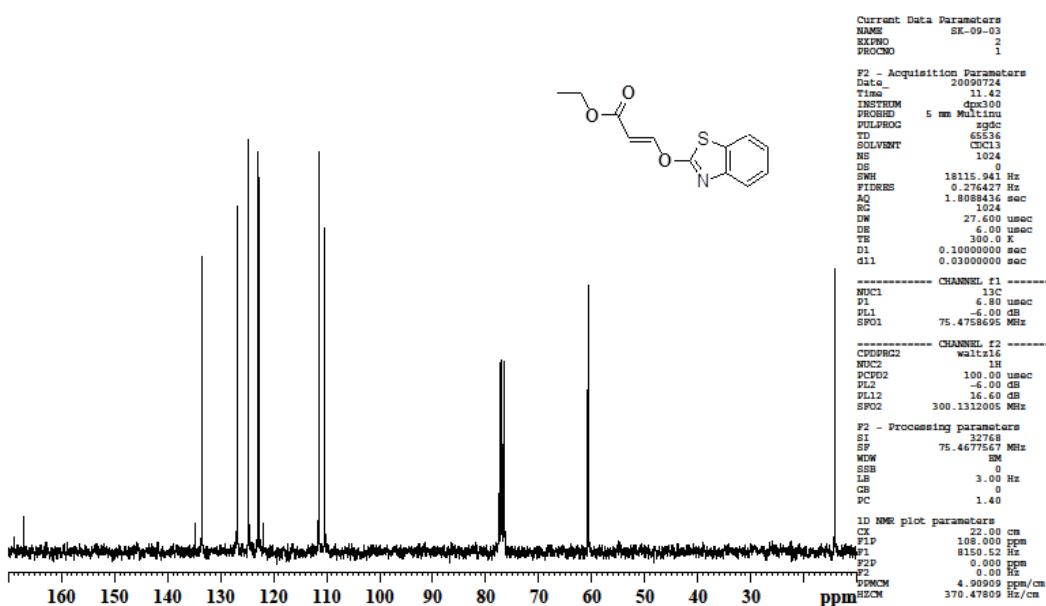


## (E)-Ethyl 3-(benzo[d]thiazol-2-yloxy) acrylate (7)

## Proton Spectrum

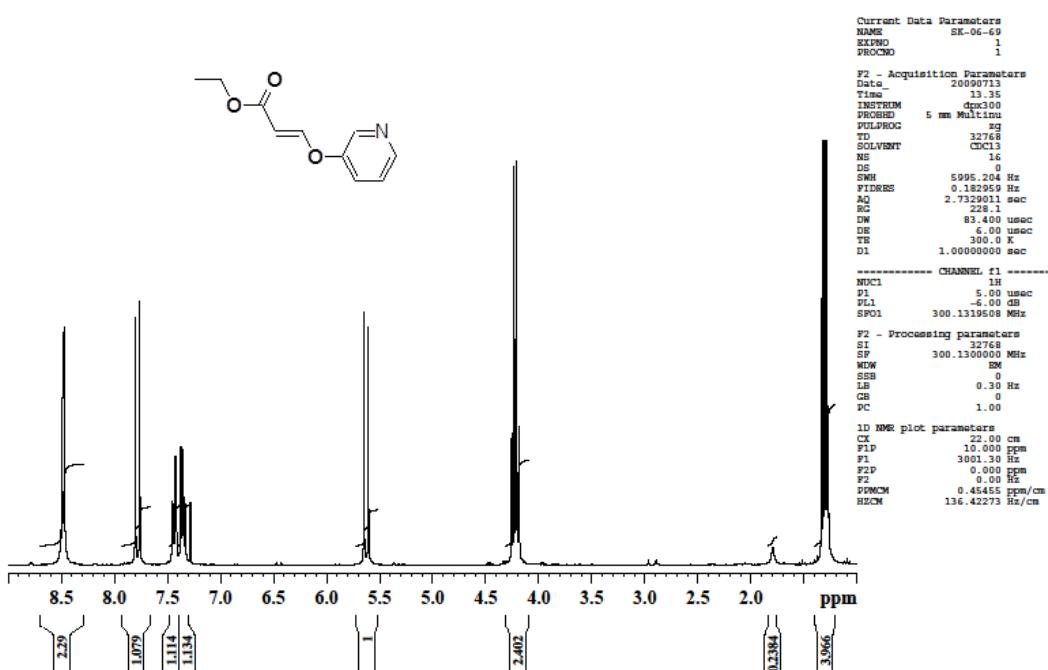


## Carbon Spectrum

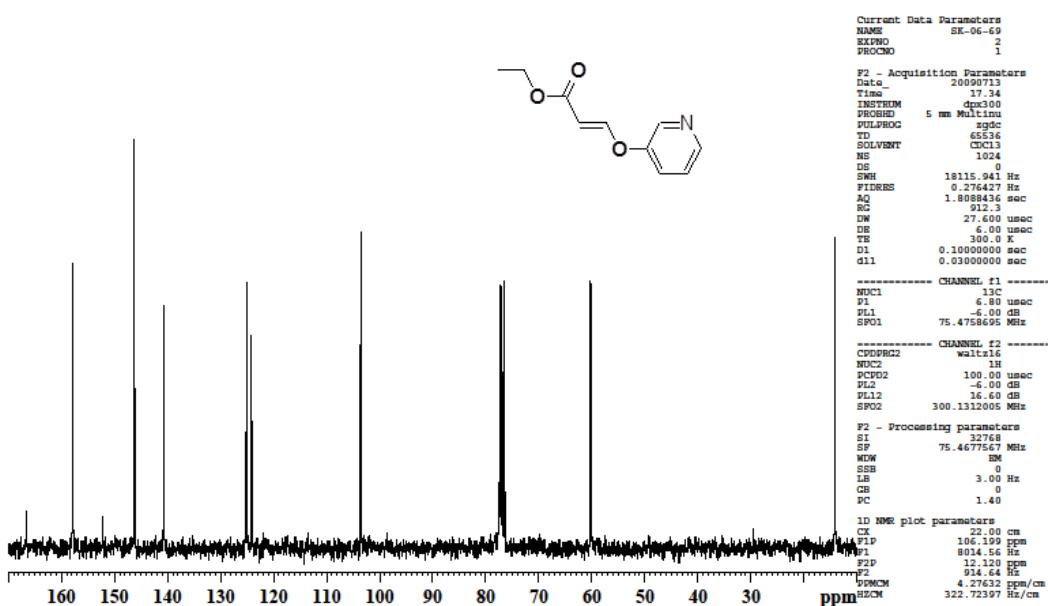


**(E)-Ethyl -3-(pyridin-3-yloxy) acrylate (8)**

## Proton Spectrum

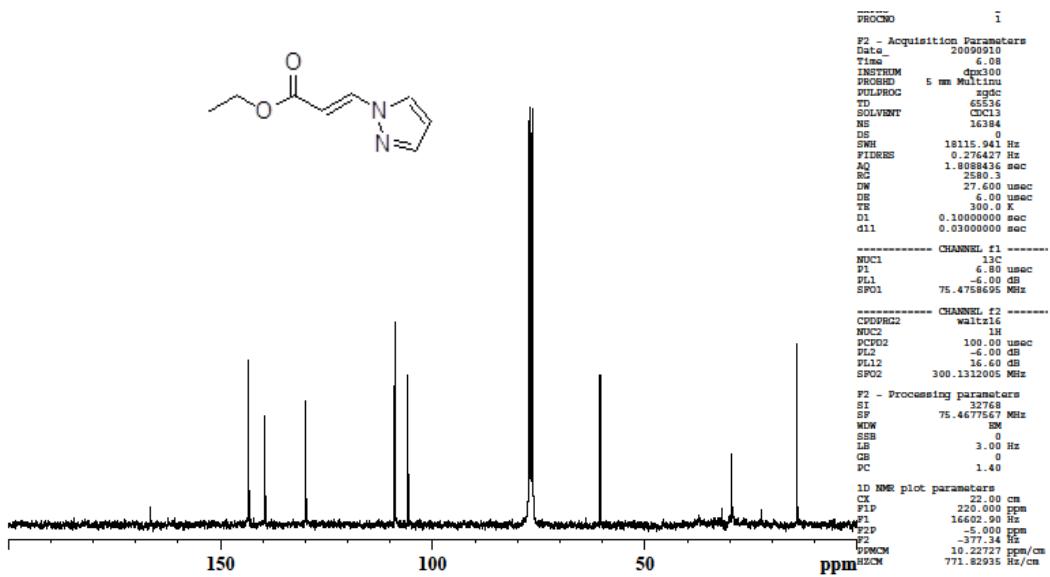
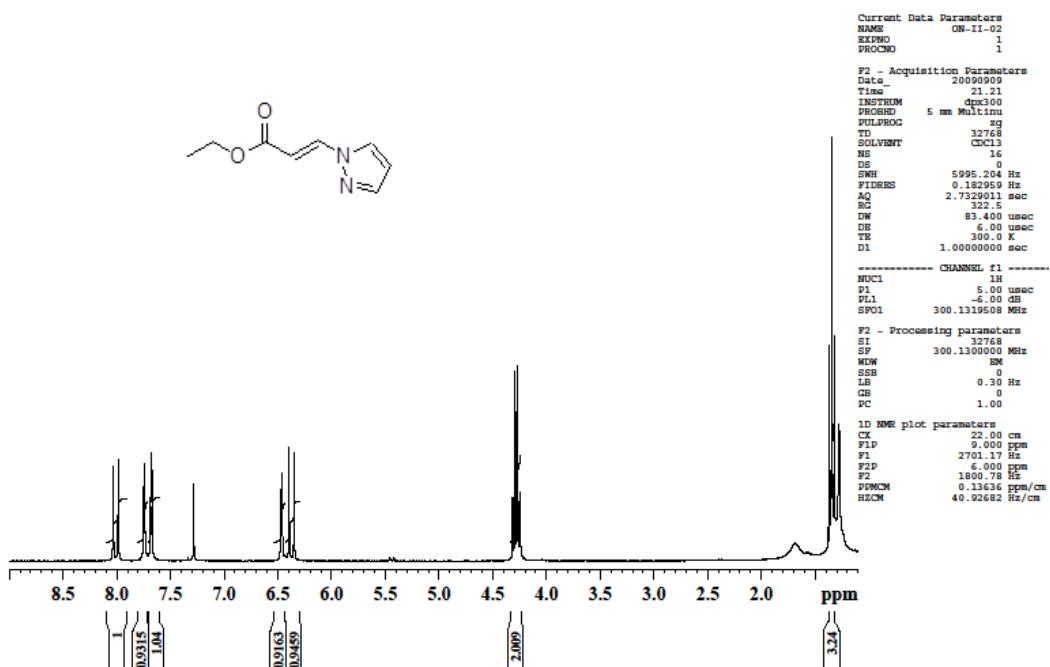


## **Carbon Spectrum**



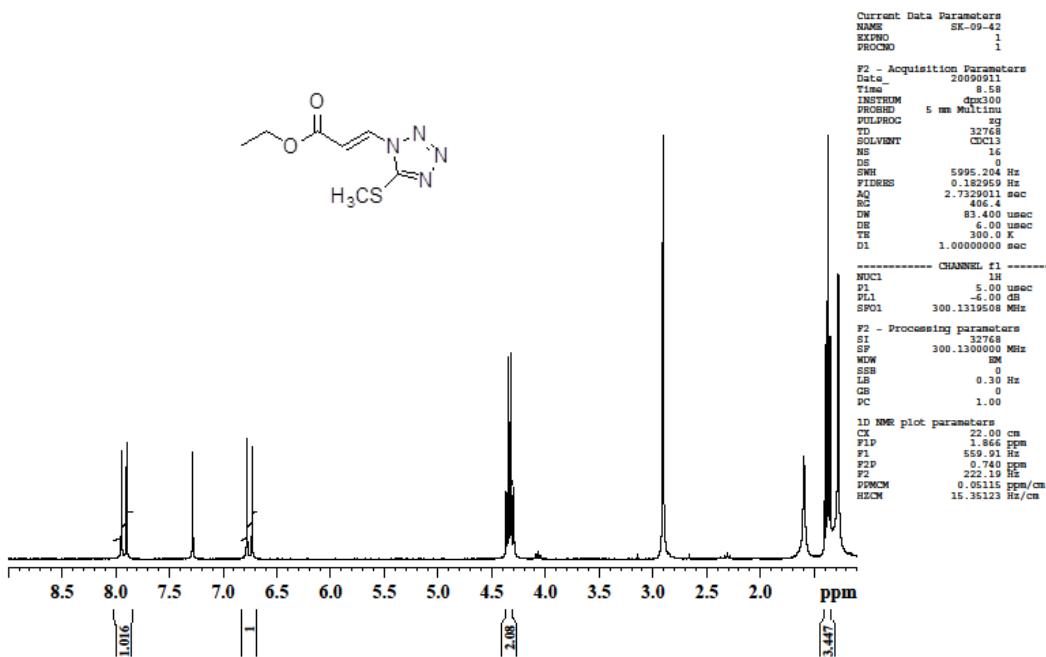
(E)-Ethyl 3-(1*H*-pyrazol-1-yl) acrylate (9)

ON-II-02 Proton Spectrum



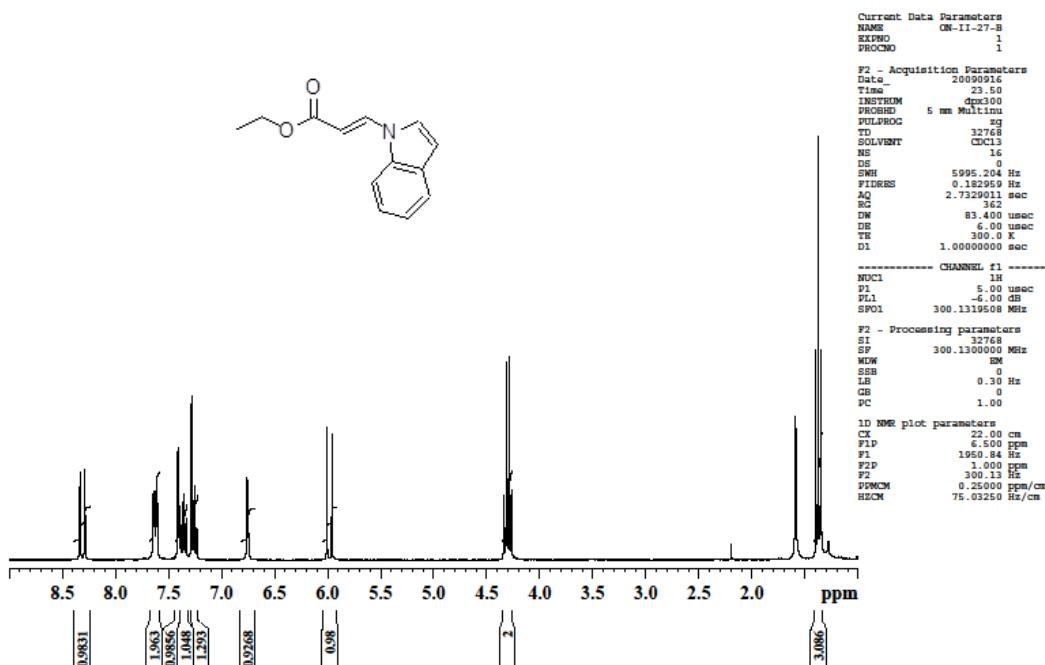
(E)-Ethyl-3-(5-(methylthio)-1*H*-tetrazol-1-yl) acrylate (10)

## Proton Spectrum

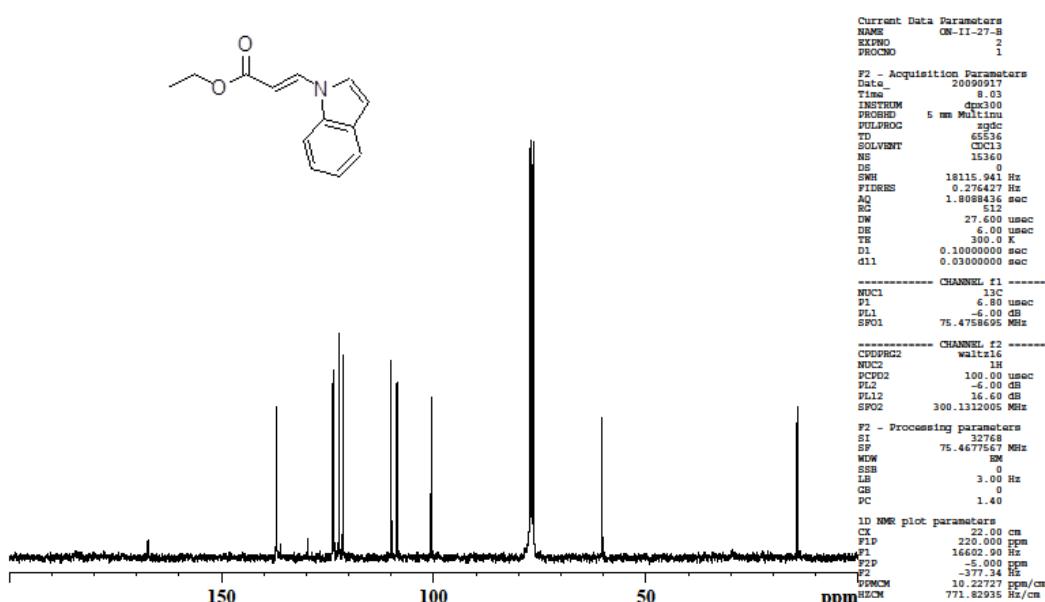


(E)-Ethyl 3-(1*H*-indol-1-yl) acrylate (11)

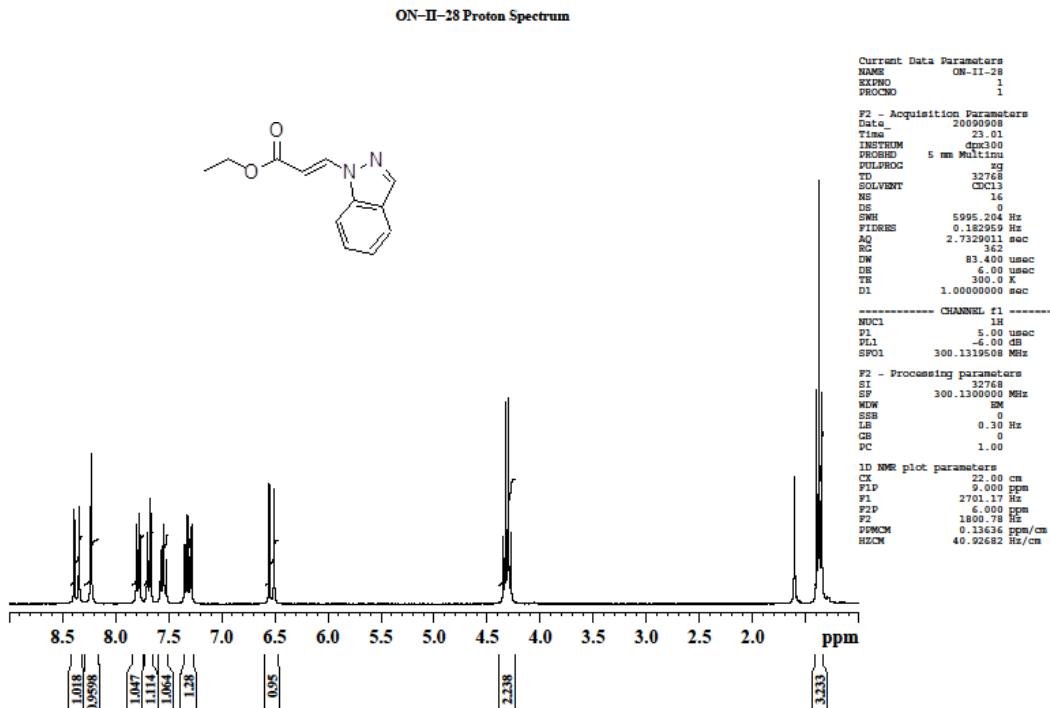
ON-II-27-B Proton Spectrum



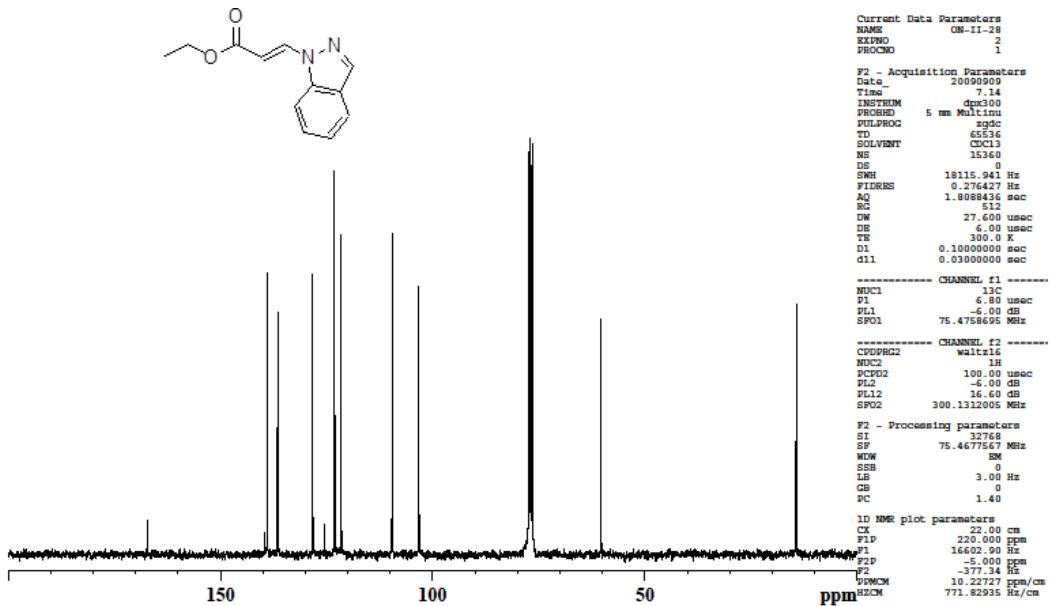
ON-II-27-B Carbon Spectrum



**(E)-Ethyl 3-(1*H*-indazol-1-yl) acrylate (12)**



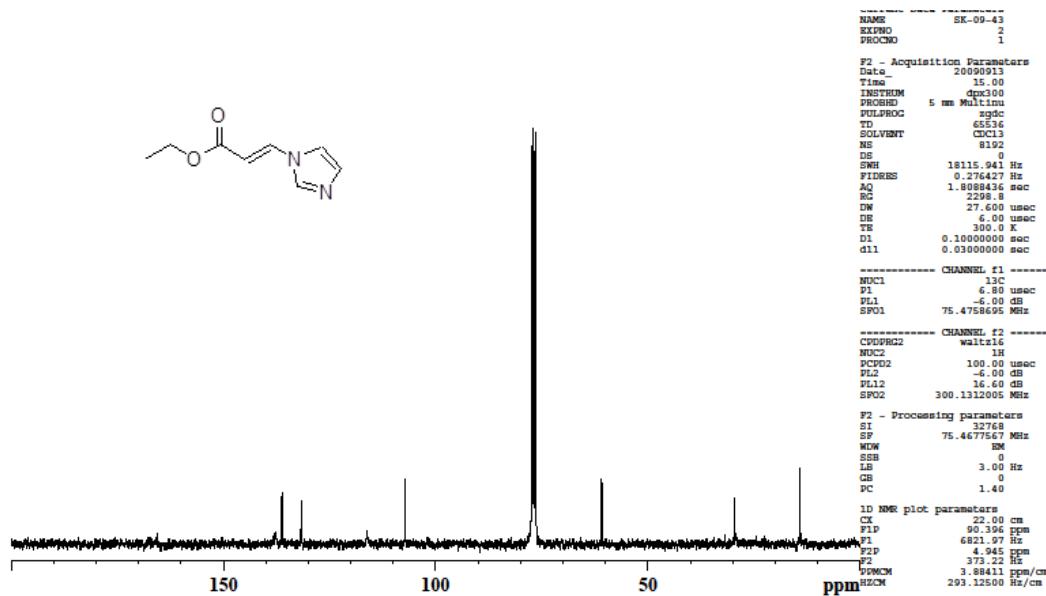
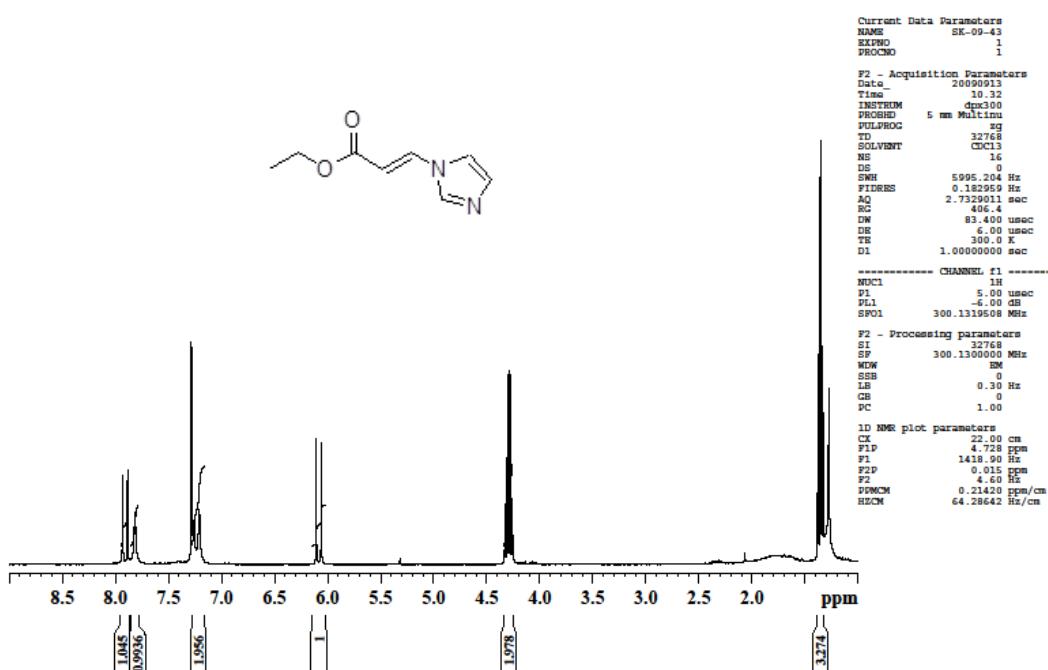
ON-II-28 Carbon Spectrum





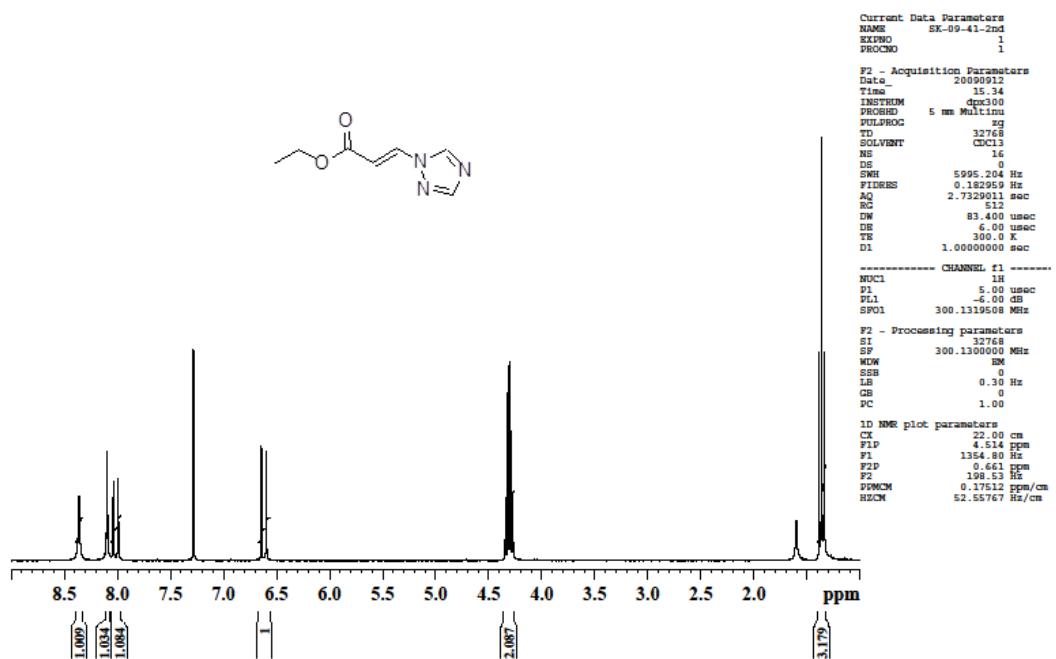
(E)-Ethyl 3-(1*H*-imidazol-1-yl) acrylate (14)

## Proton Spectrum

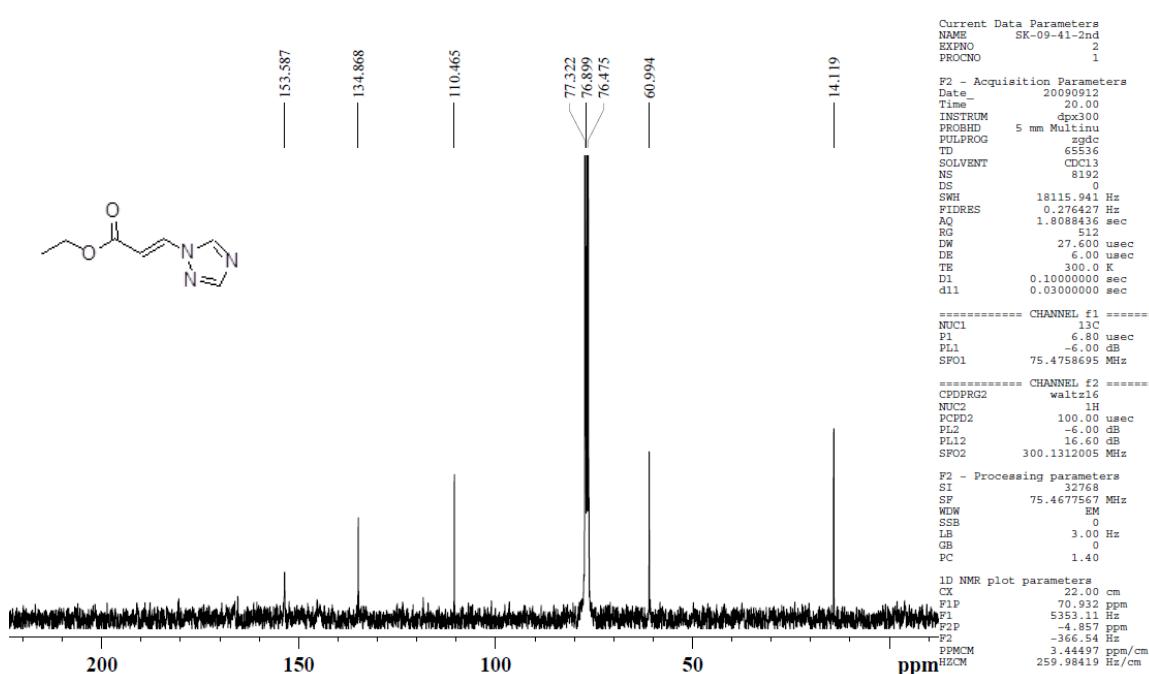


(E)-Ethyl 3-(1*H*-1,2,4-triazol-1-yl) acrylate (15)

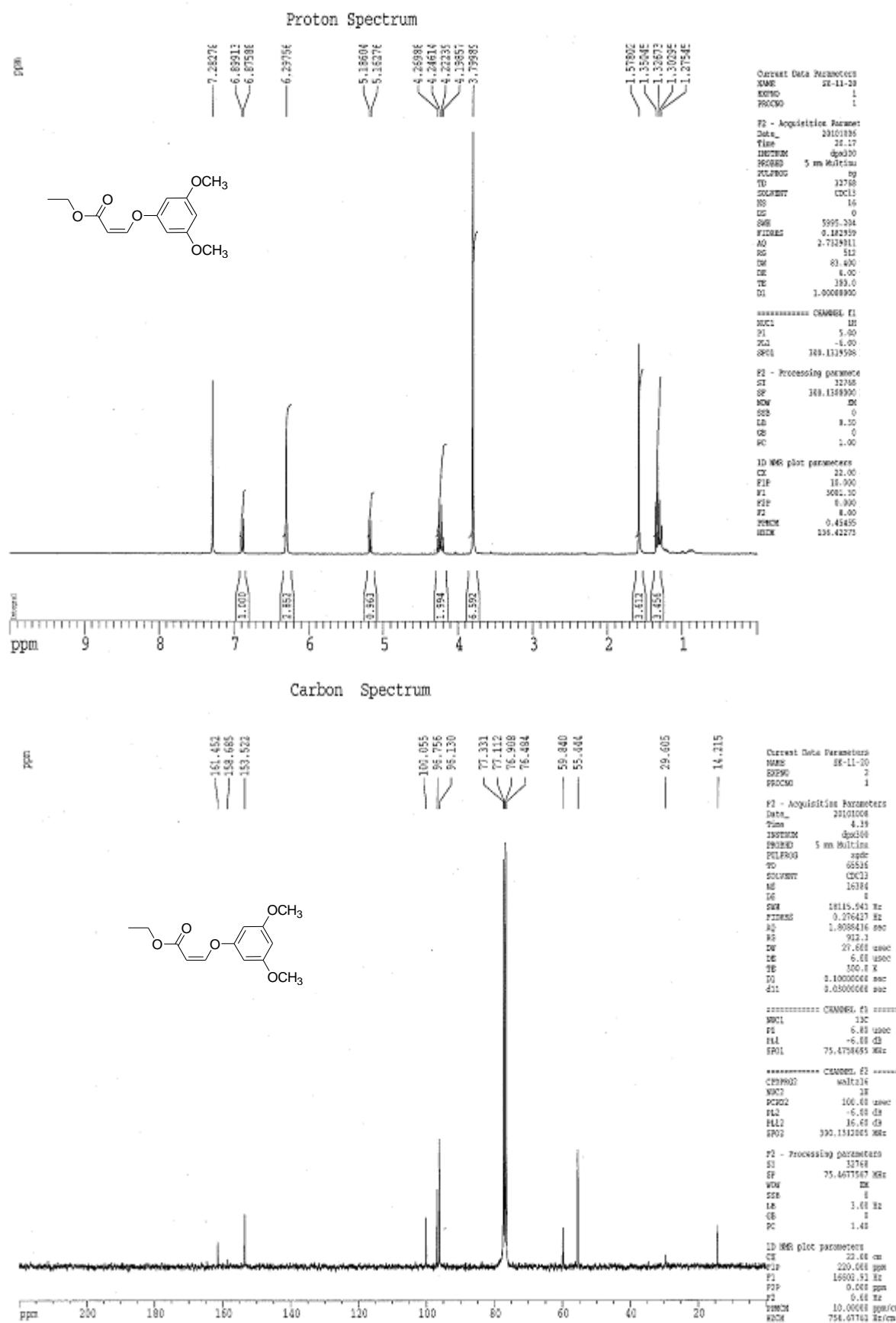
## Proton Spectrum

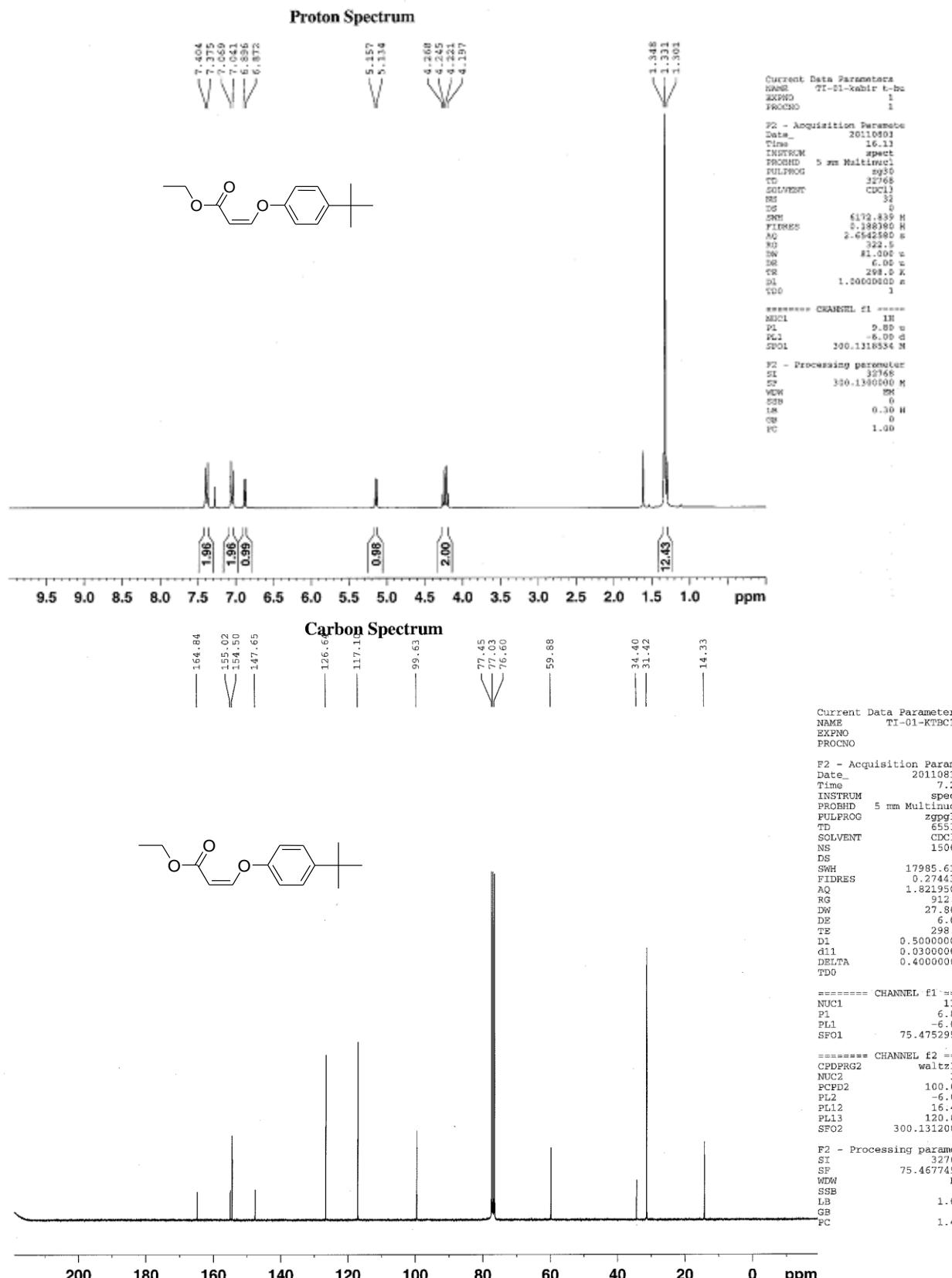


## Carbon Spectrum

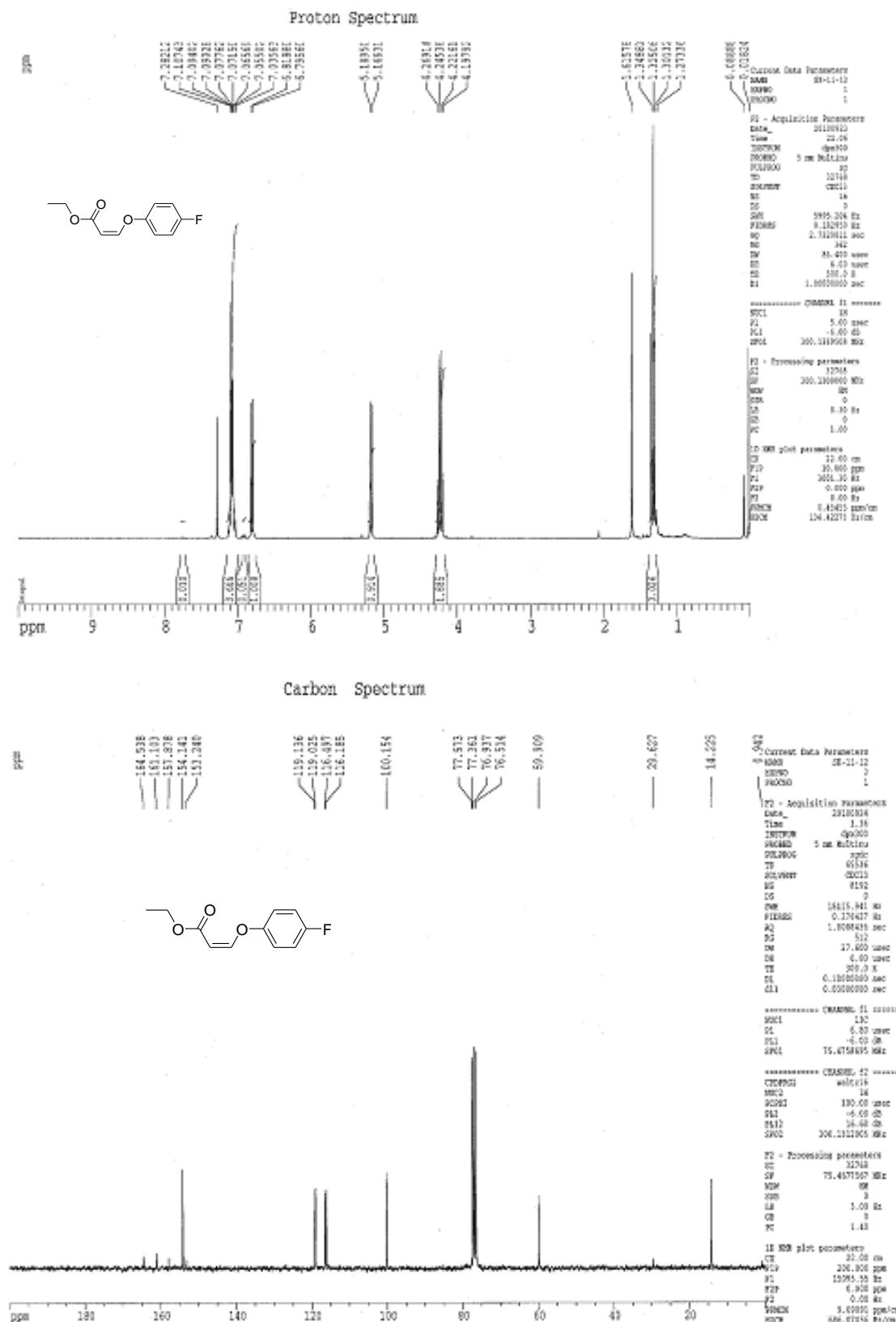


## (Z)-Ethyl 3-(3,5-Dimethoxy-phenoxy)- acrylate (16)

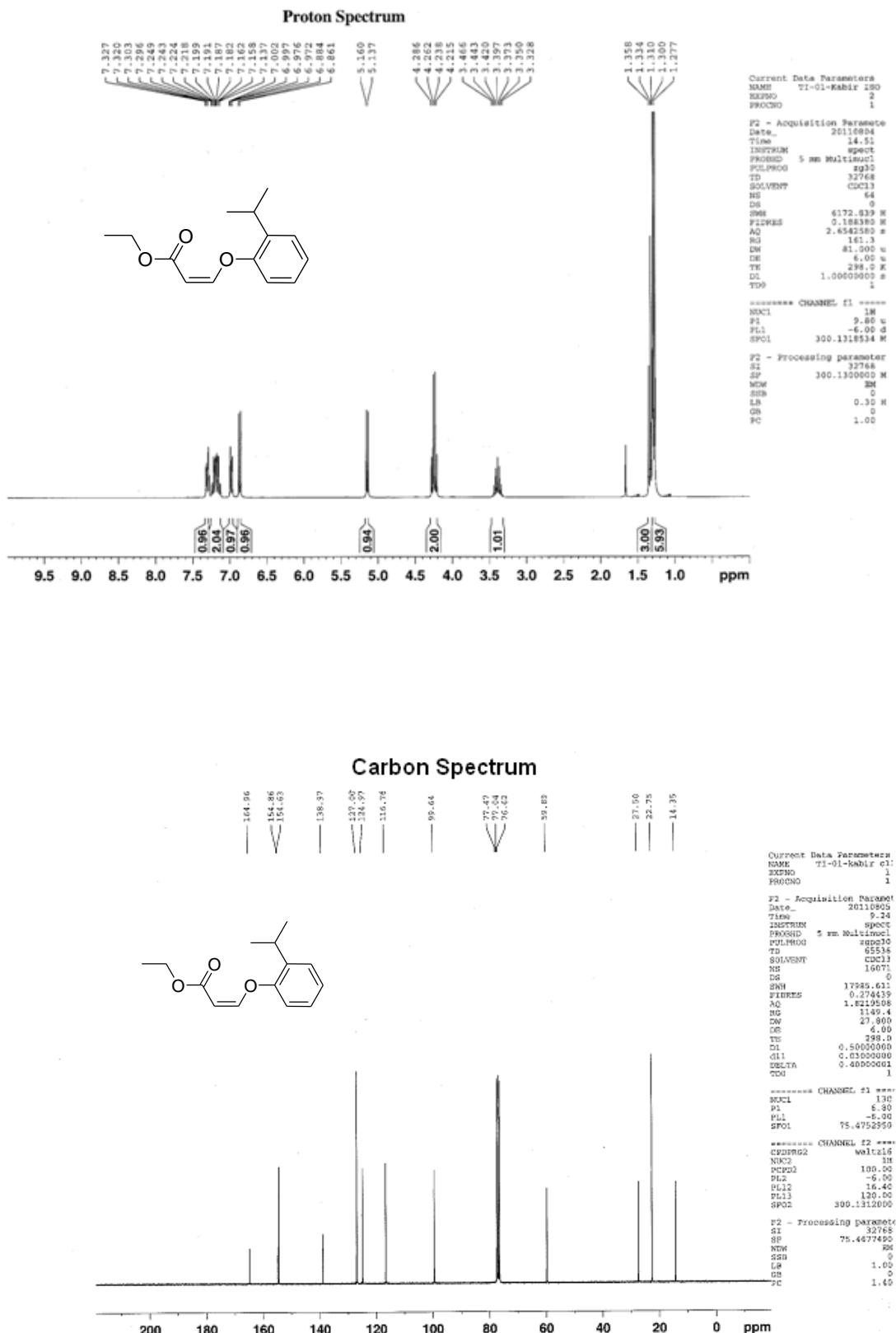


(Z)-Ethyl 3-(4-*tert*-Butyl-phenoxy)- acrylate (17)

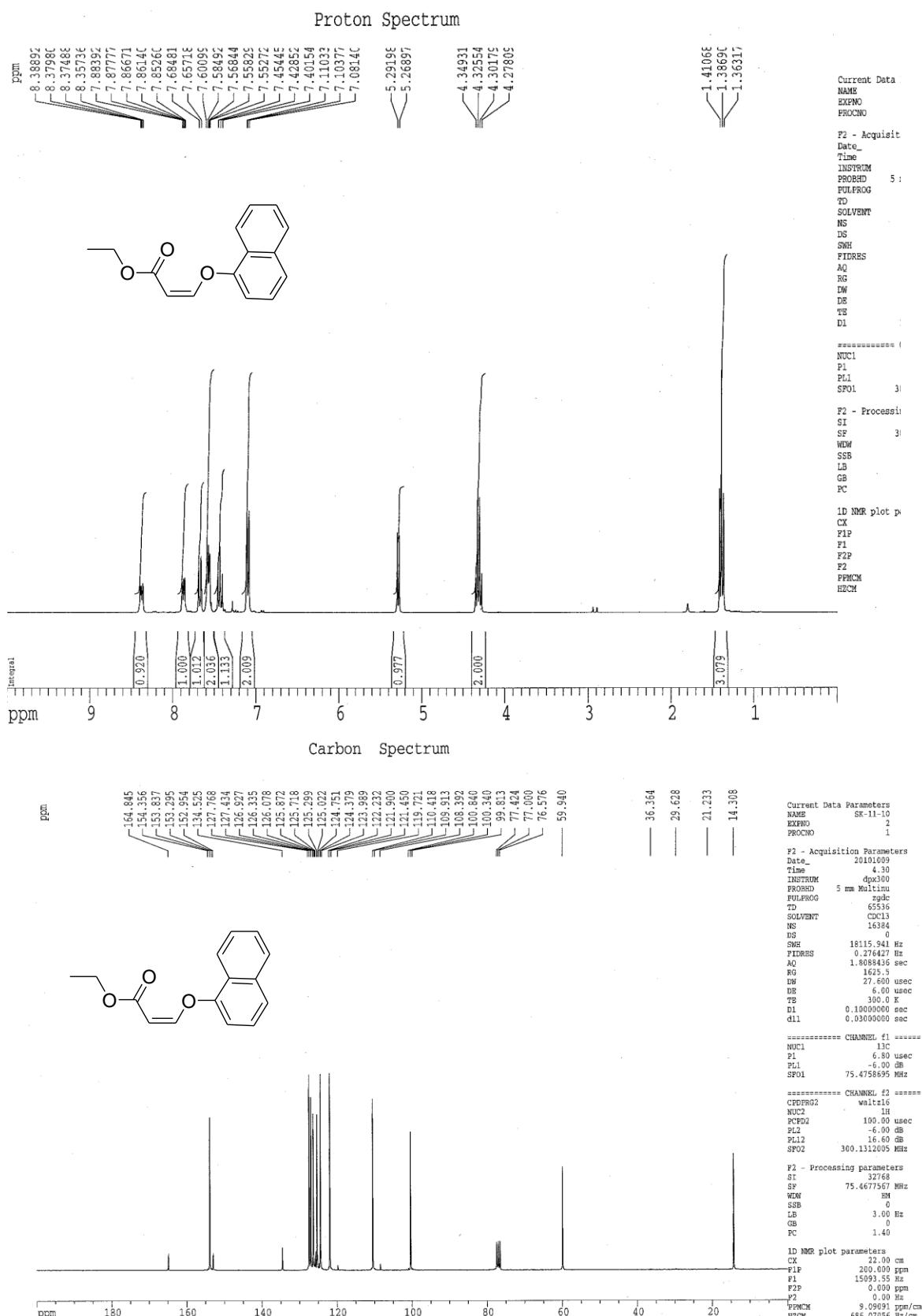
## (Z)- Ethyl 3-(4-Fluoro-phenoxy) acrylate (18)



### (Z)-Ethyl 3-(2-Isopropyl-phenoxy) acrylate (19)

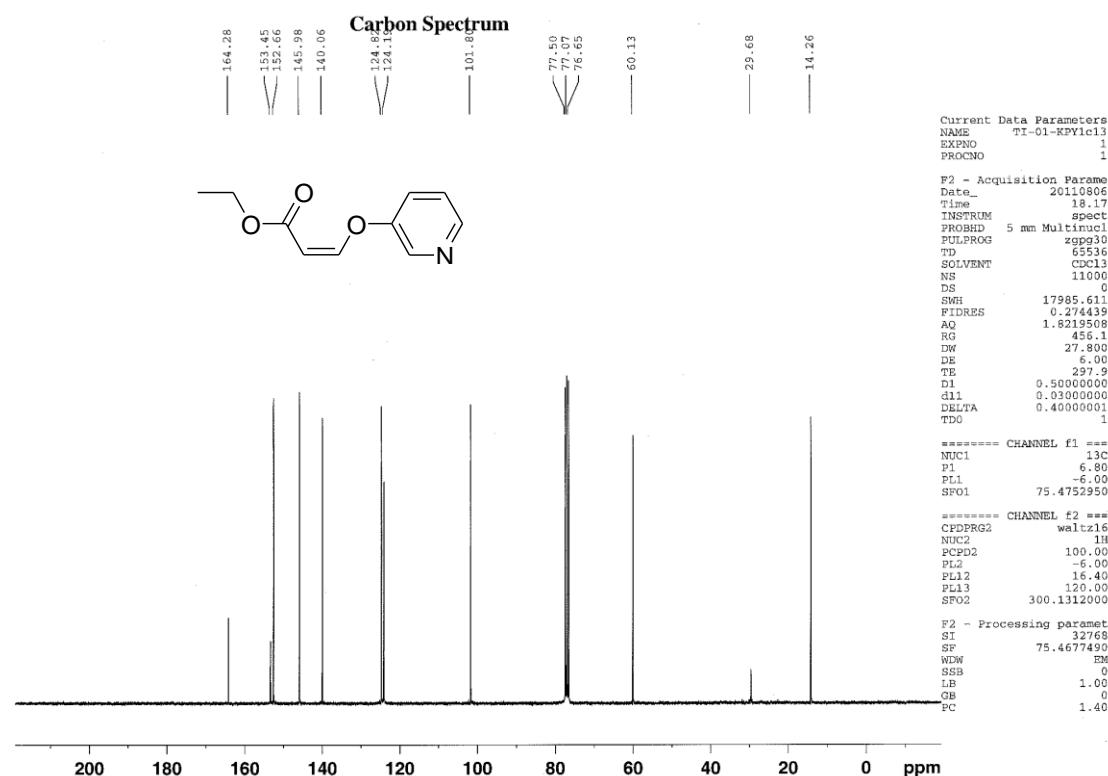
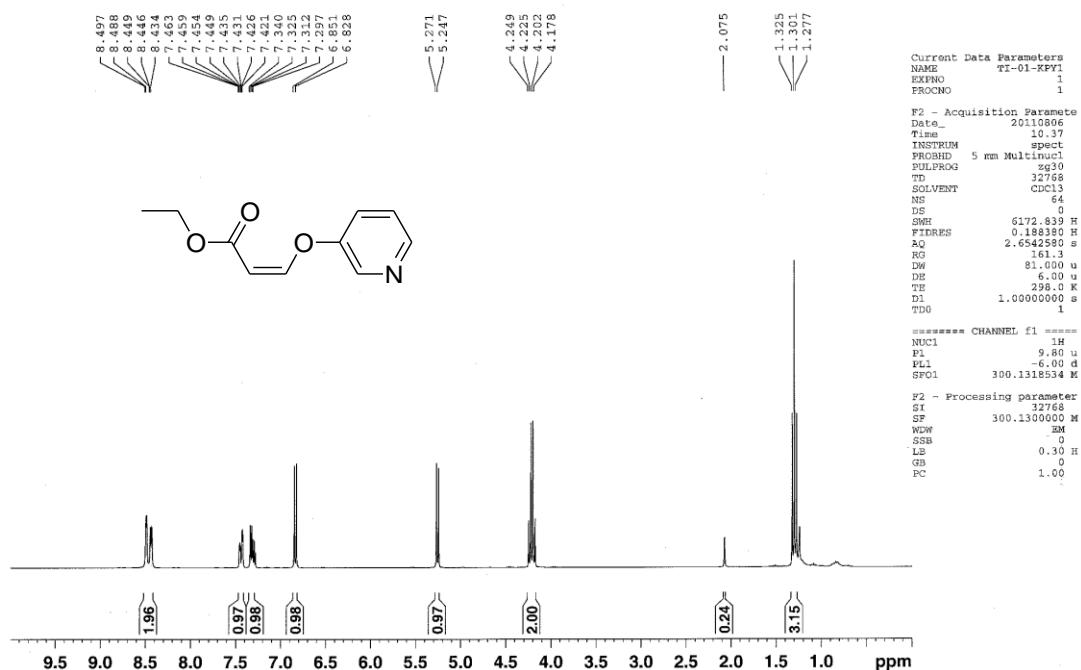


## (Z)-Ethyl 3-(Naphthalen-1-yloxy) acrylate (20)



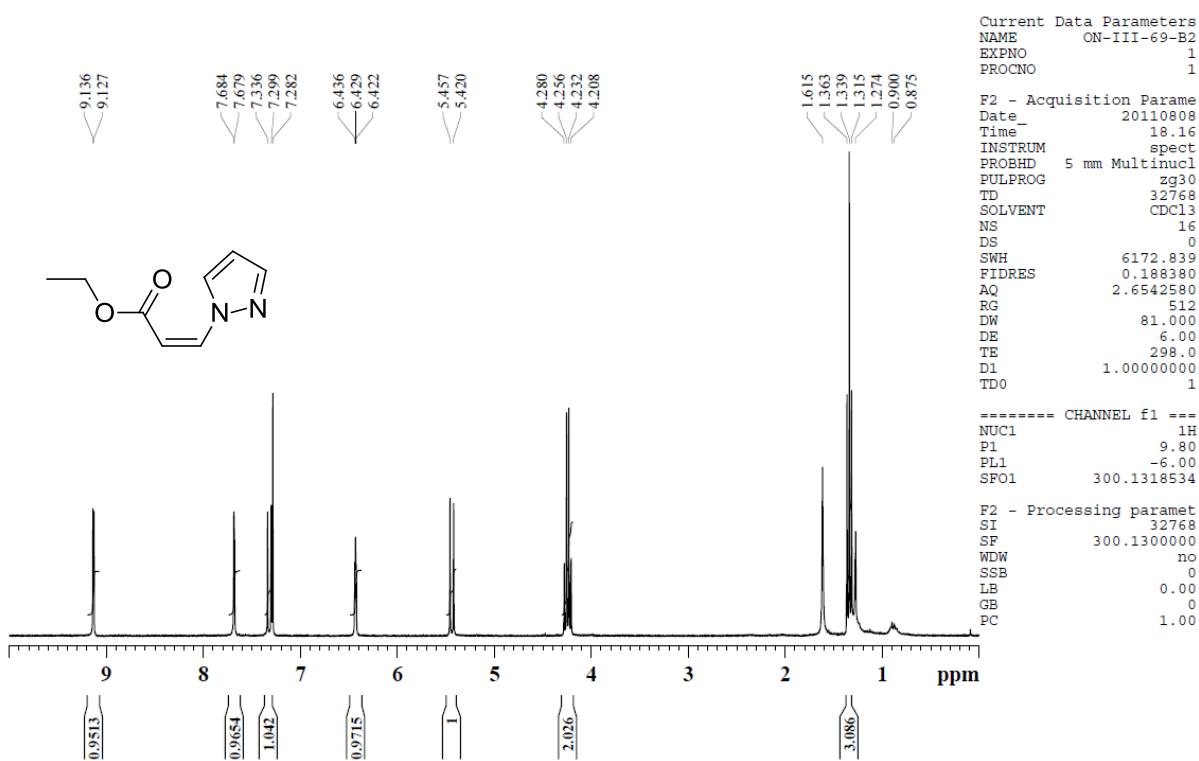
## (Z)-Ethyl 3-(Pyridin-3-yloxy) acrylate (21)

Proton Spectrum

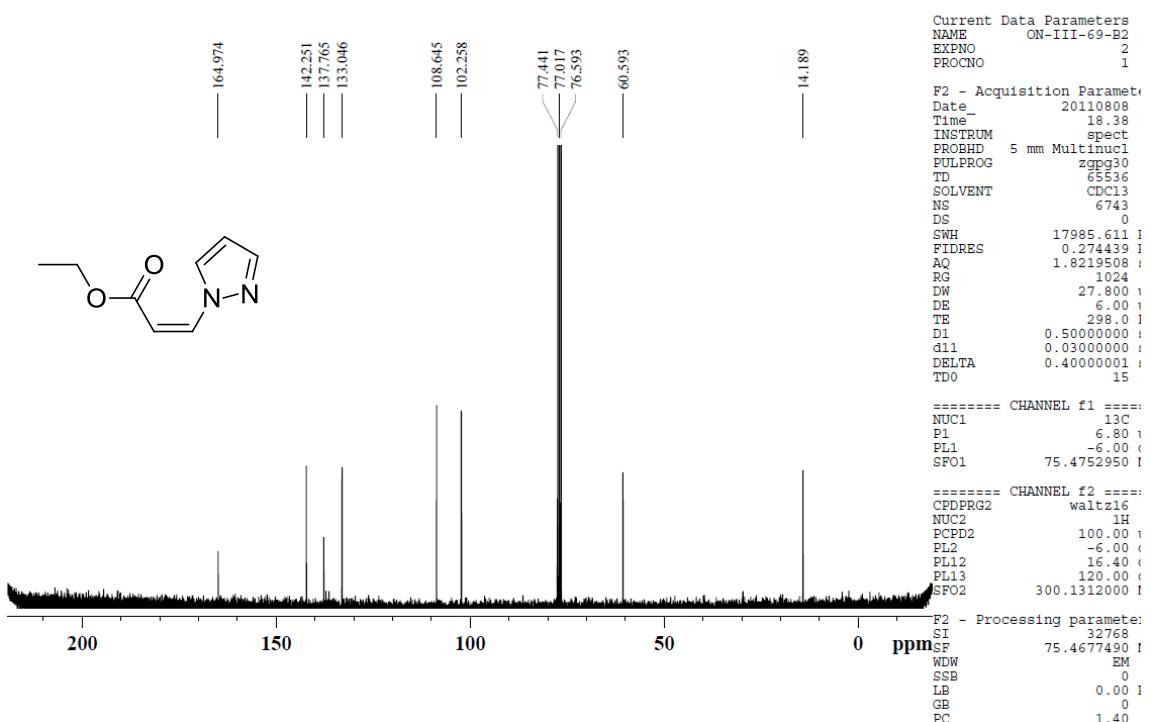


## (Z)-Ethyl 3-(1H-pyrazol-1-yl) acrylate (22)

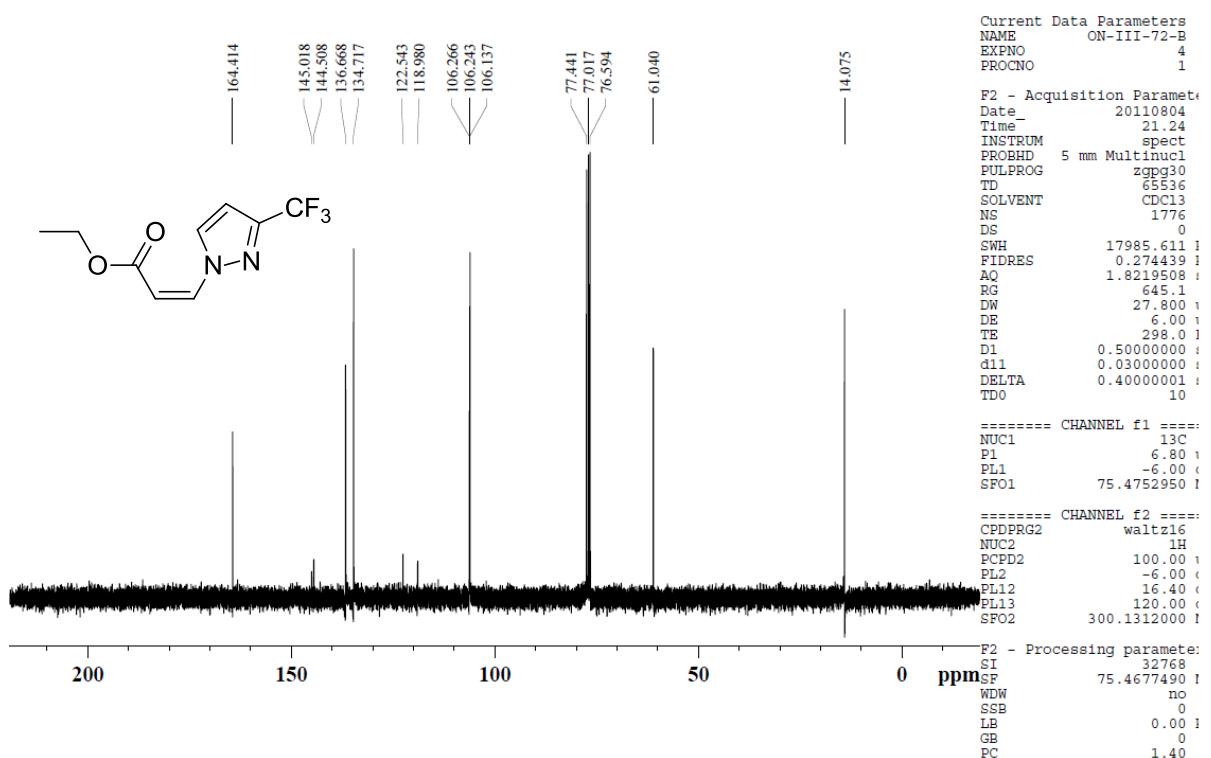
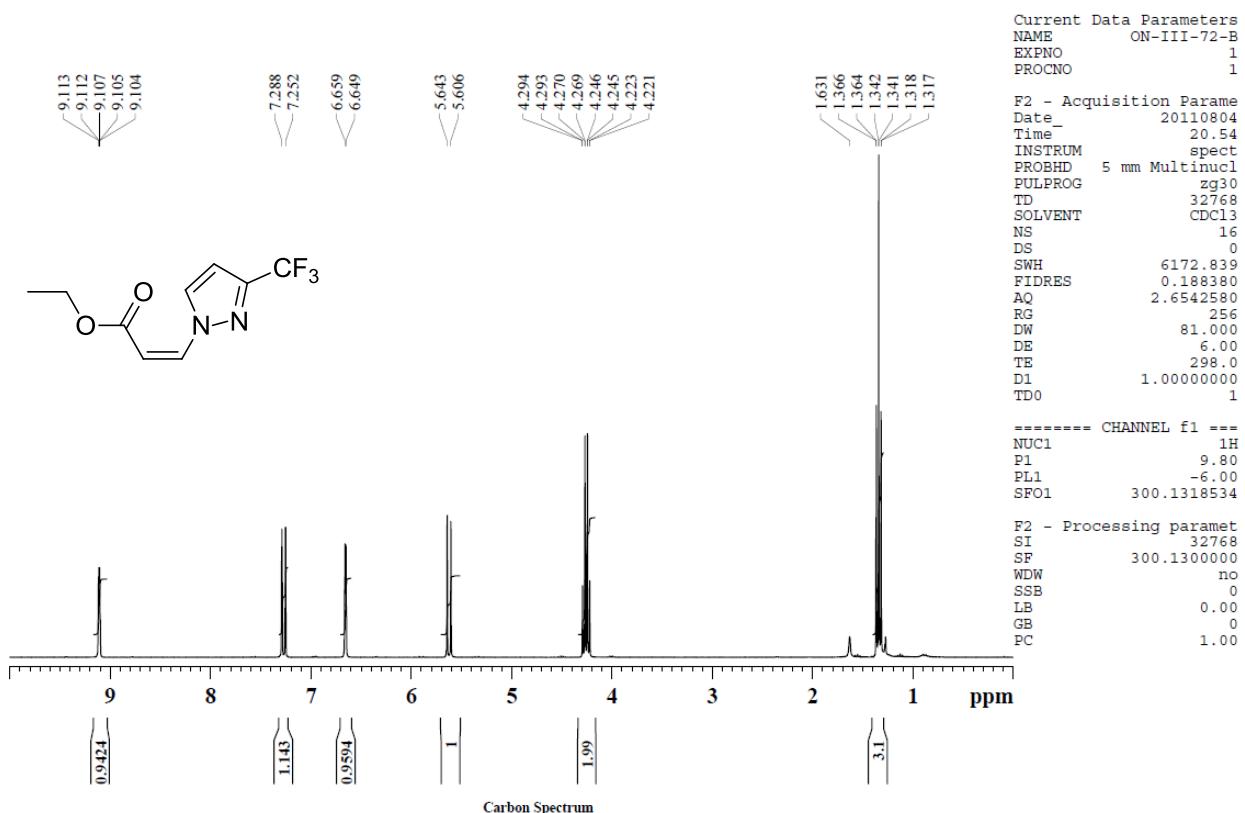
Proton Spectrum



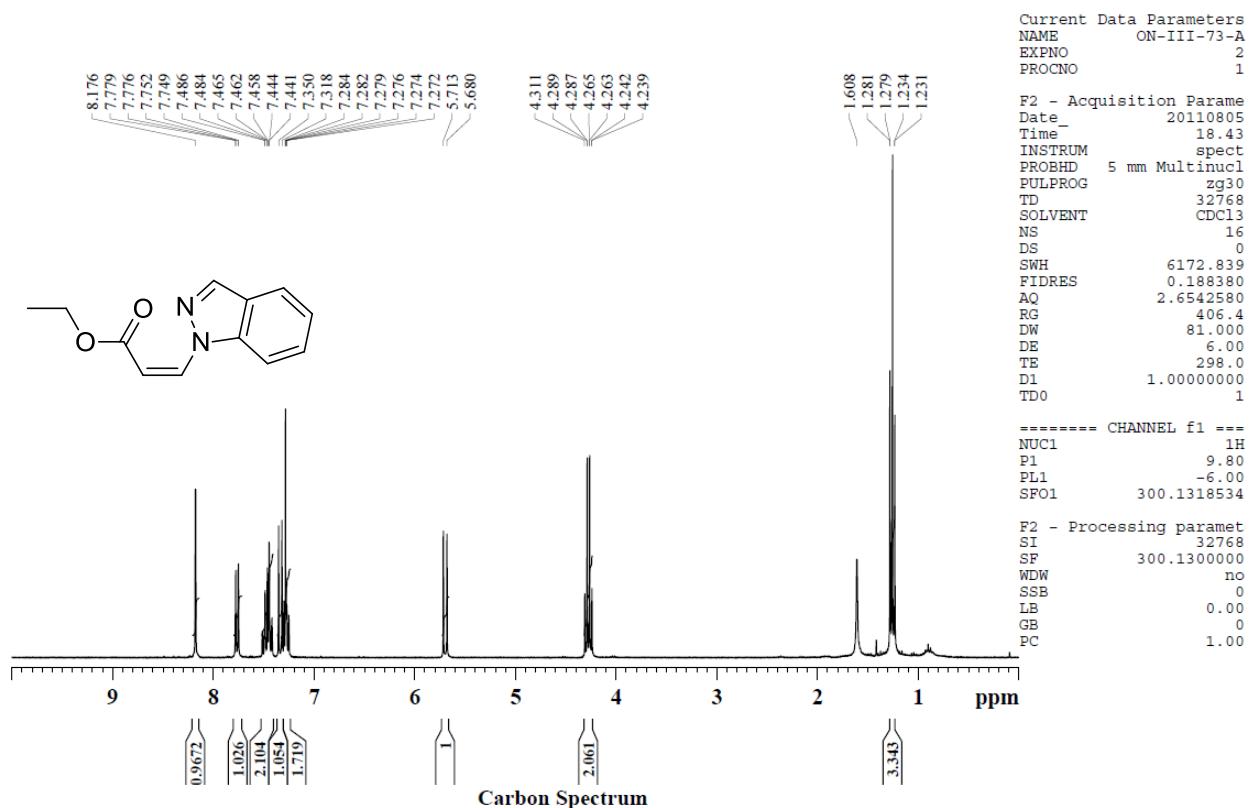
Carbon Spectrum



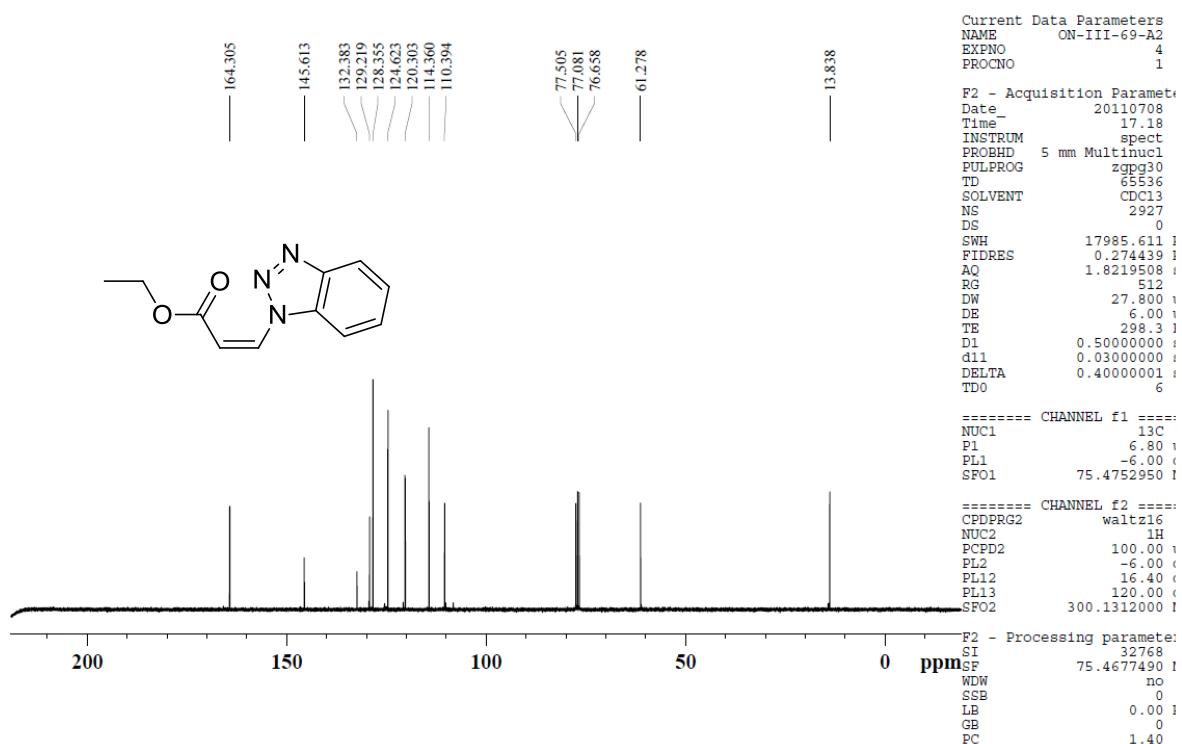
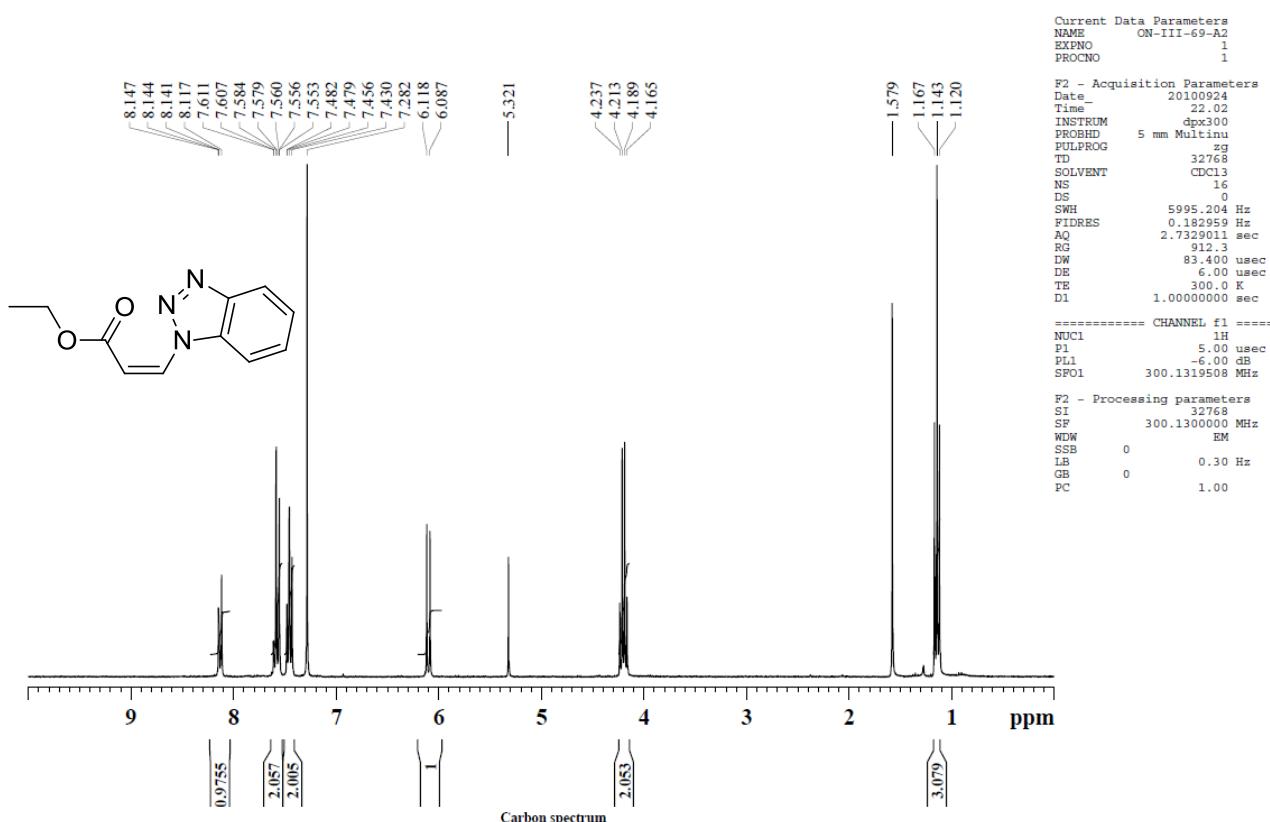
**(Z)-Ethyl 3-(3-(trifluoromethyl)-1H-pyrazol-1-yl) acrylate (23)**  
Proton Spectrum



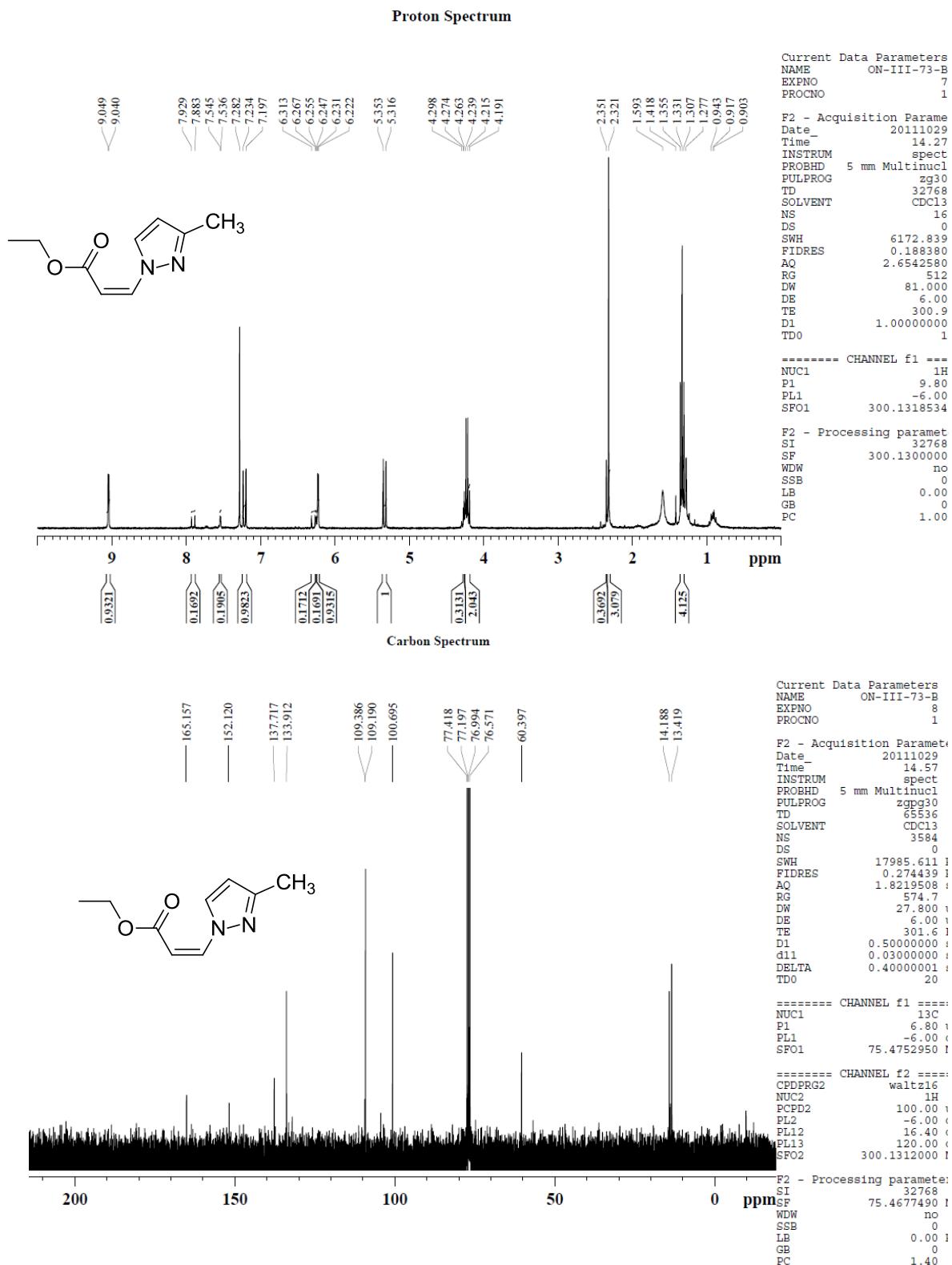
**(Z)-Ethyl 3-(1H-indazol-1-yl) acrylate (24)**  
**Proton Spectrum**



**(Z)-Ethyl 3-(1H-benzo[d][1,2,3]triazol-1-yl)acrylate (25)**  
Proton Spectrum



## (Z)-Ethyl 3-(3-methyl-1H-pyrazol-1-yl)acrylate (26)



**(Z)-Ethyl 3-(1H-1,2,4-triazol-1-yl)acrylate (27)**  
**Proton Spectrum**

