

Supplementary Material

Bis(trifluoroacetoxy)iodo benzene (PIFA)-promoted transamidation of carboxamides and carboxylic acids with amines

Omkar S. Kamble, Rana Chatterjee, and Rambabu Dandela*

Department of Industrial and Engineering Chemistry, Institute of Chemical Technology, Indian Oil Odisha Campus, Samantpuri, Bhubaneswar 751013, India

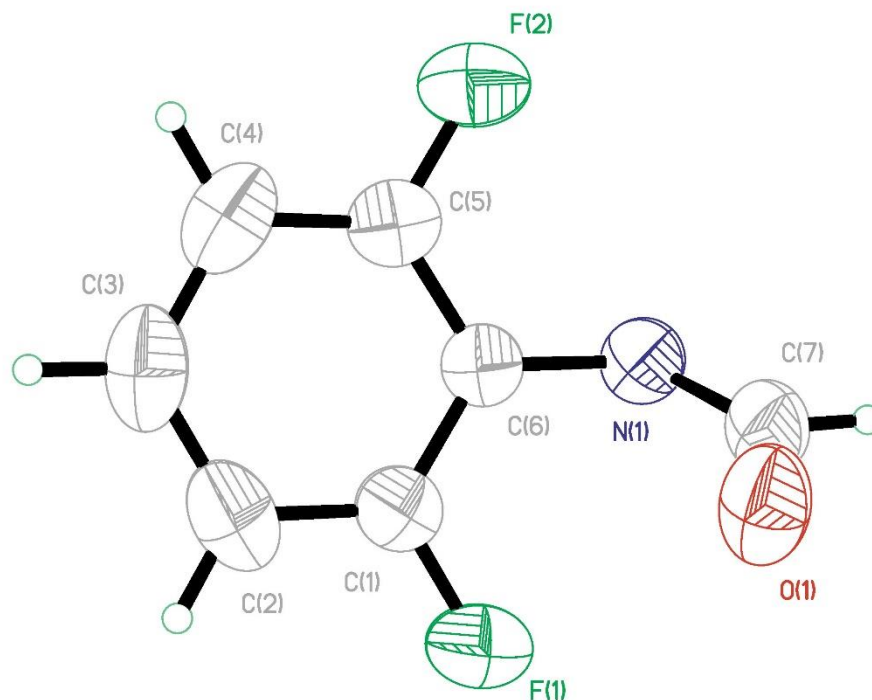
Email: r.dandela@iocb.ictmumbai.edu.in

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X-ray crystallographic data of compound 3f	S2
¹ H and ¹³ C NMR spectra of compounds 3a-3o	S3

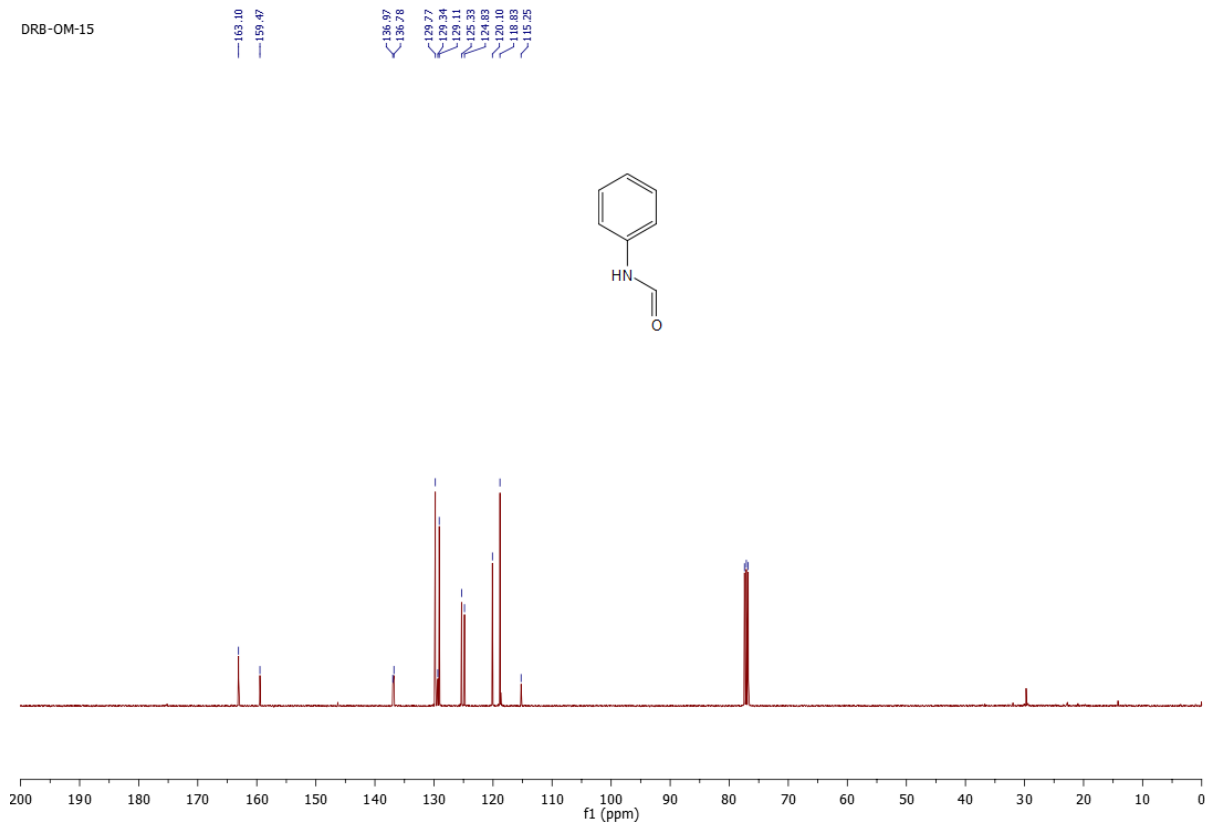
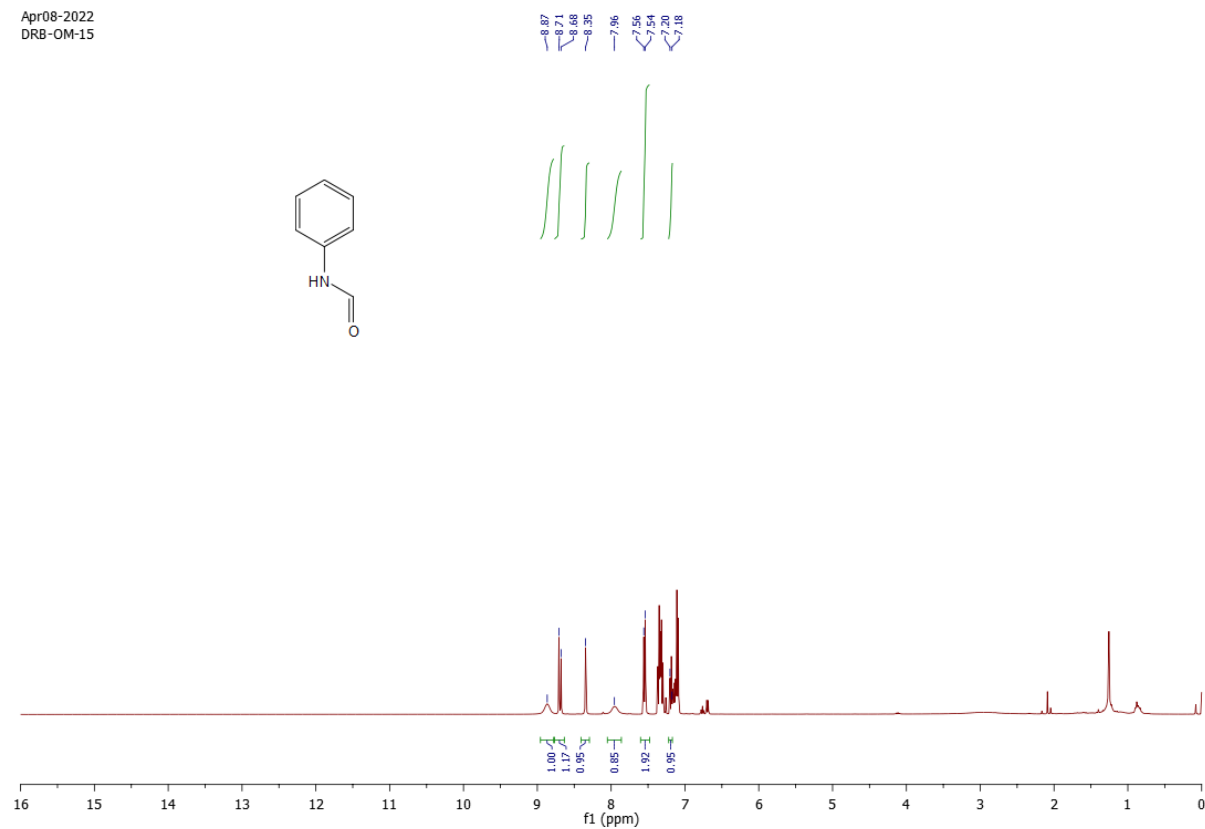
X-ray crystallographic analysis

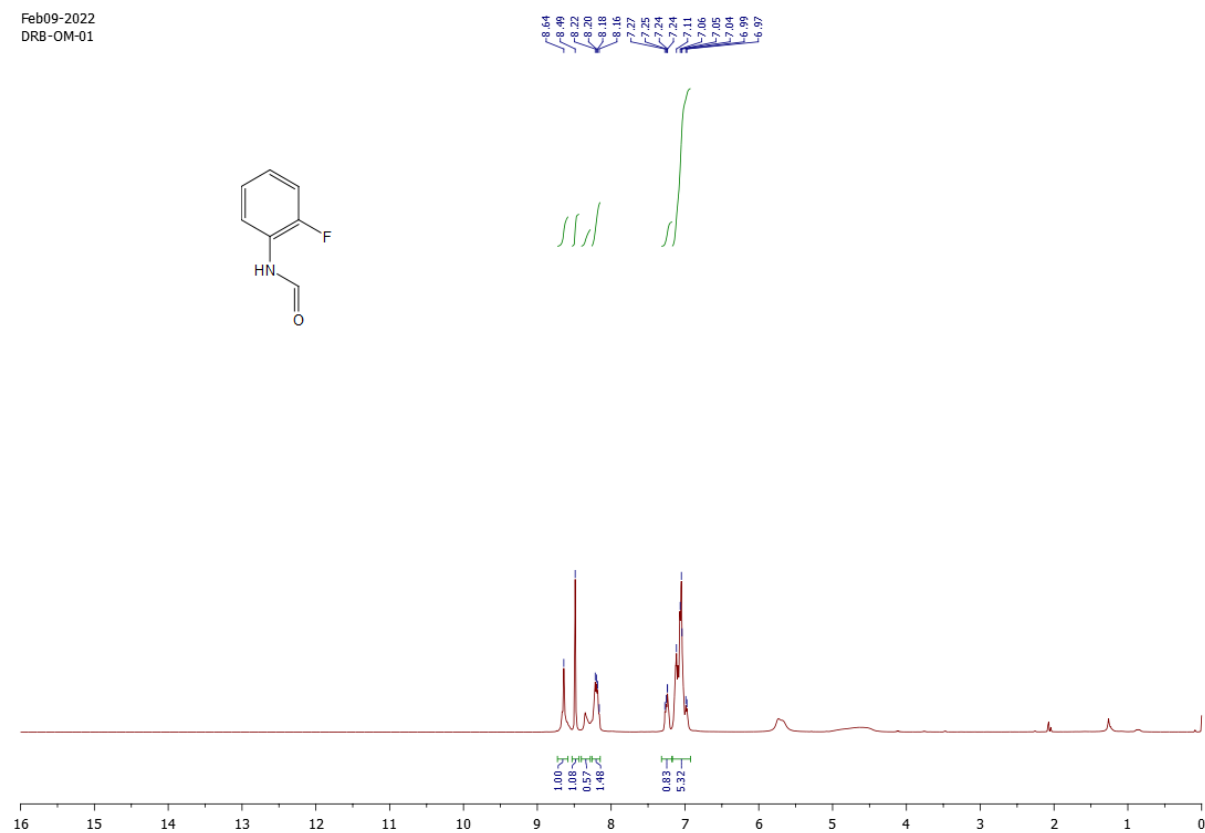
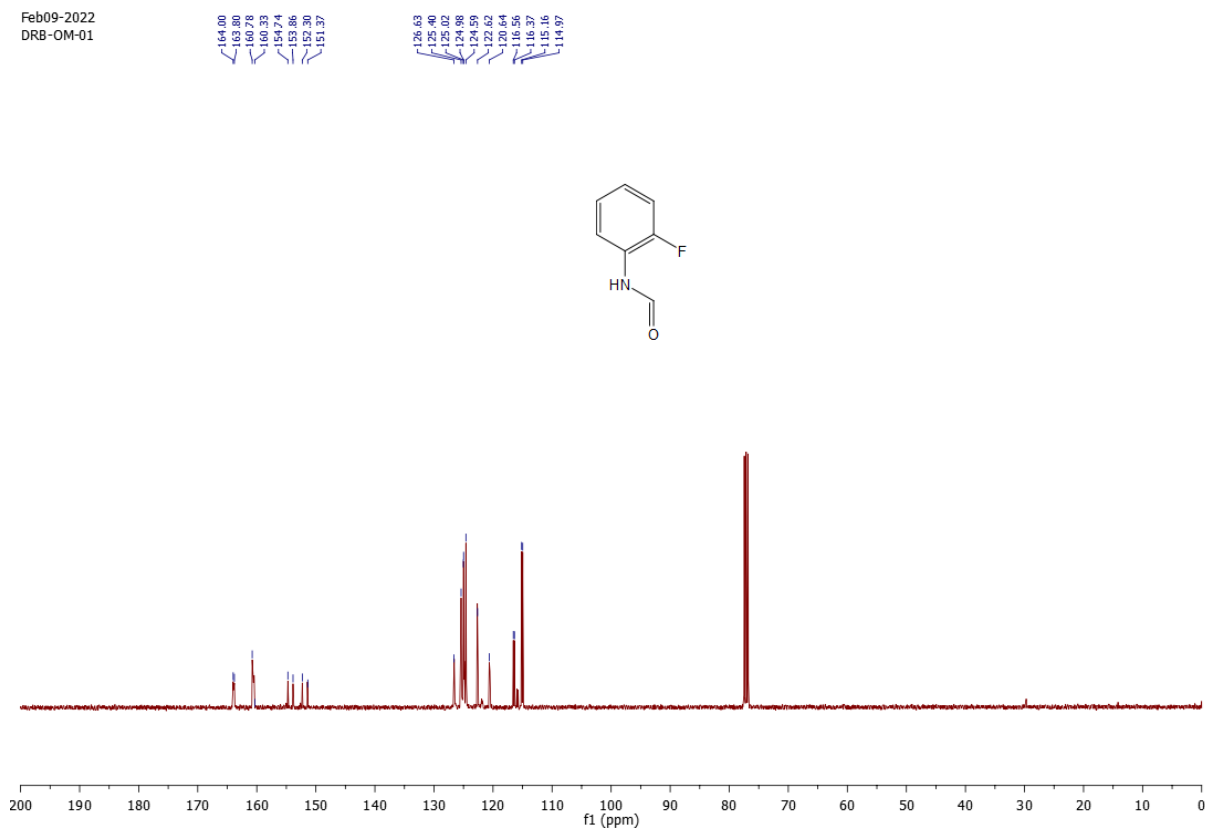
Crystallization of compound **3f** was done at room temperature using ethyl acetate and heptane as a solvent system.

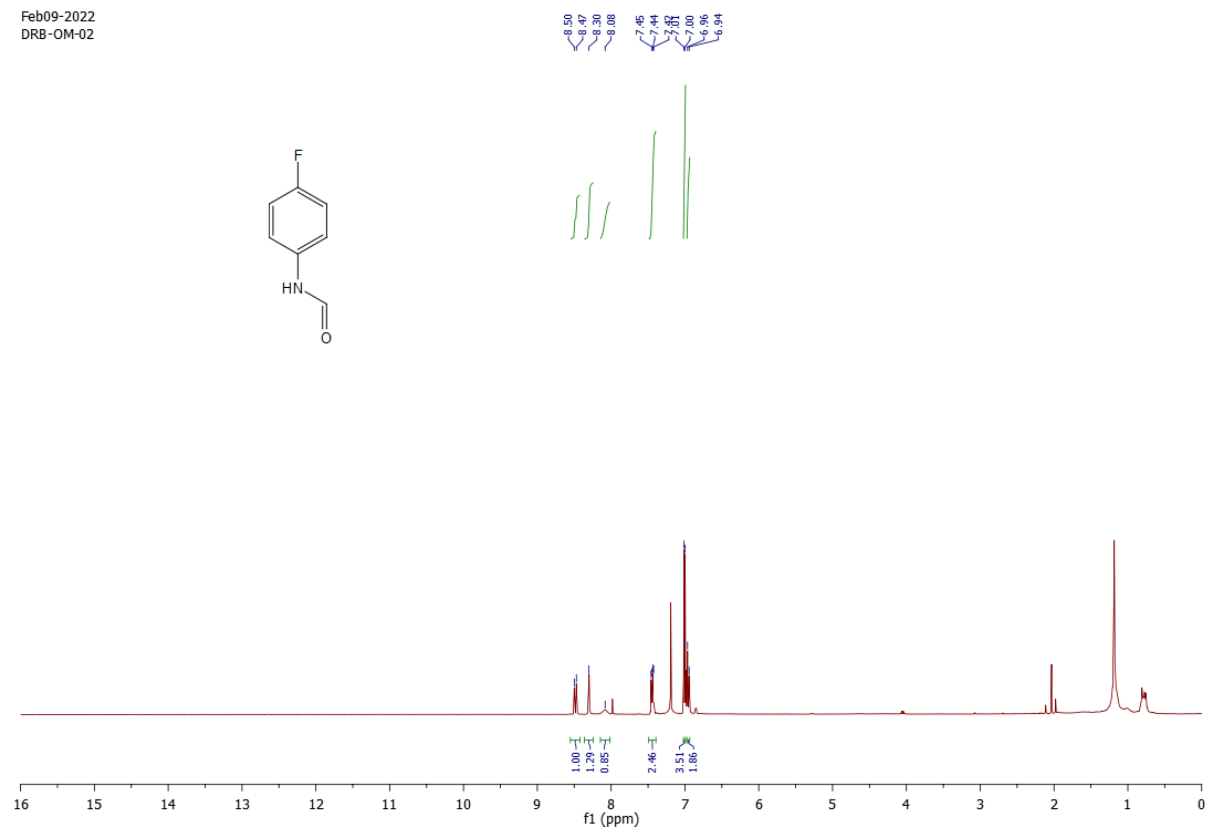
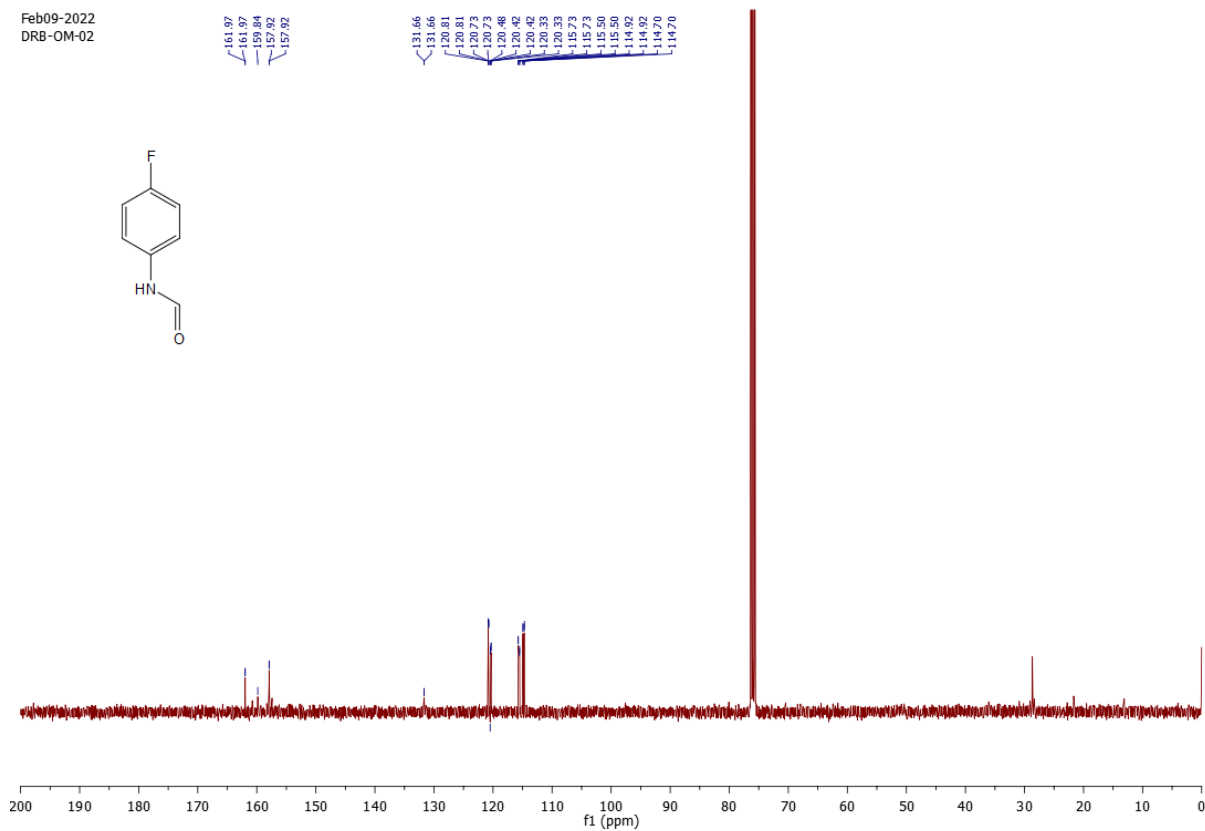


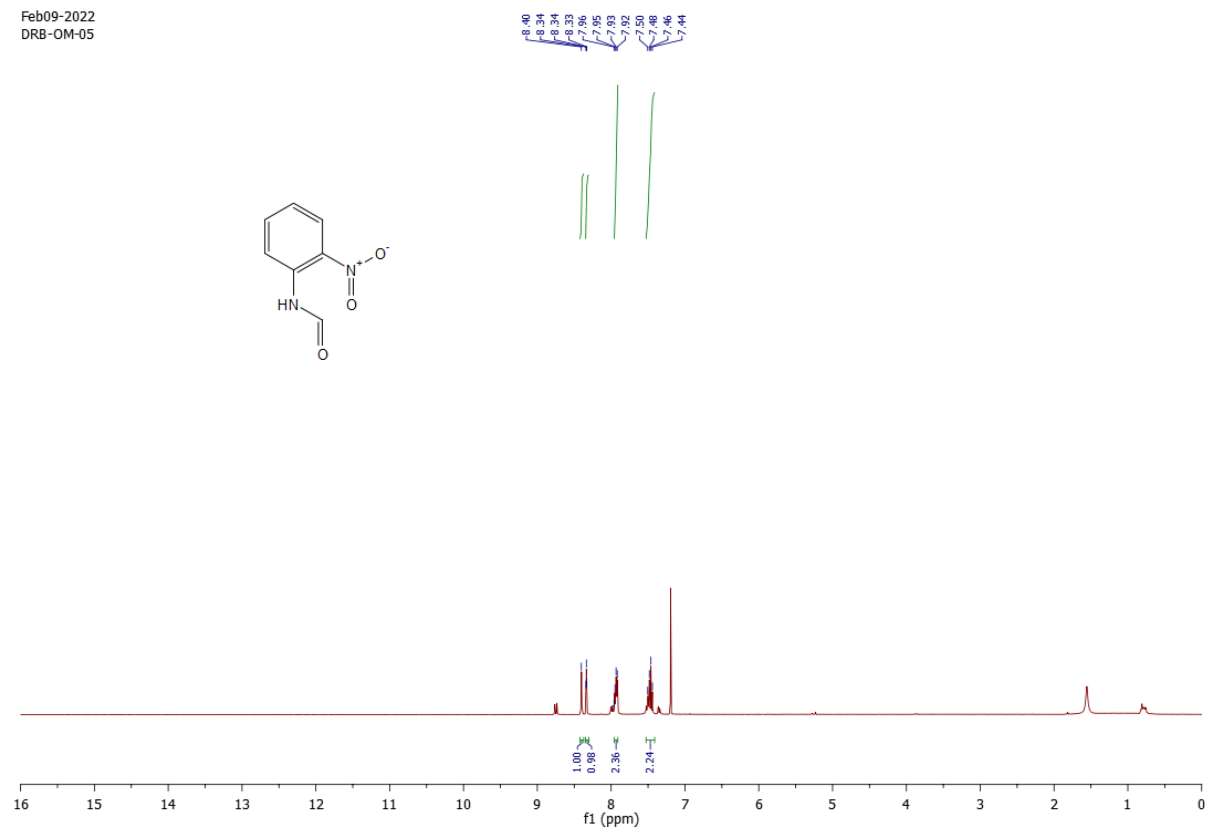
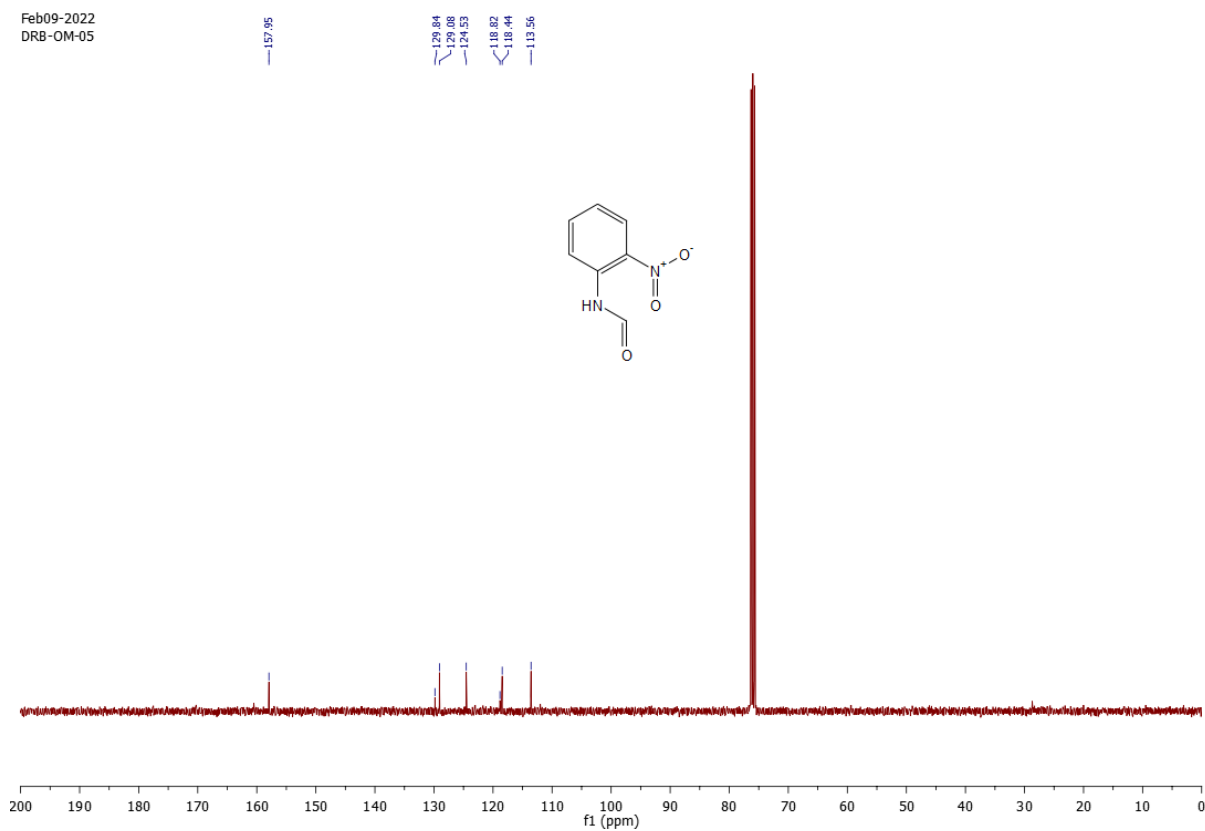
X-ray crystal structure of compound **3f** (CCDC **2167435**)

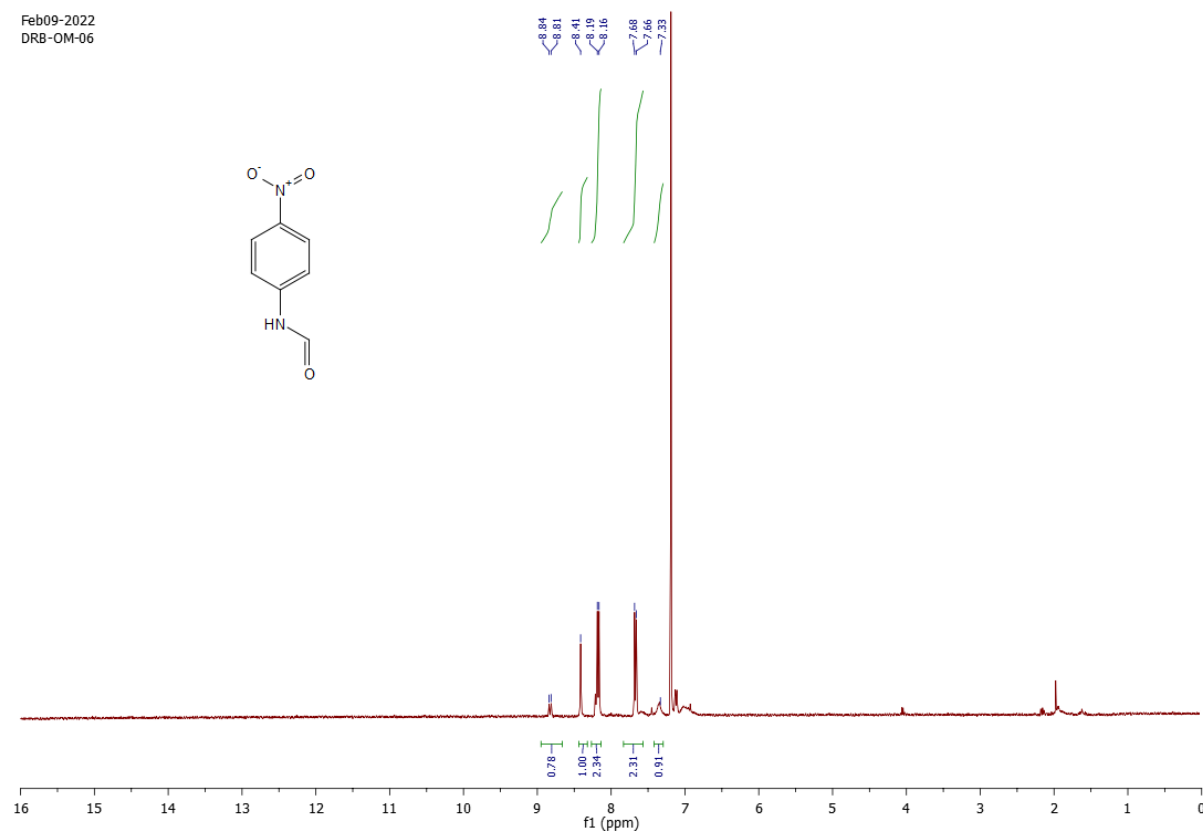
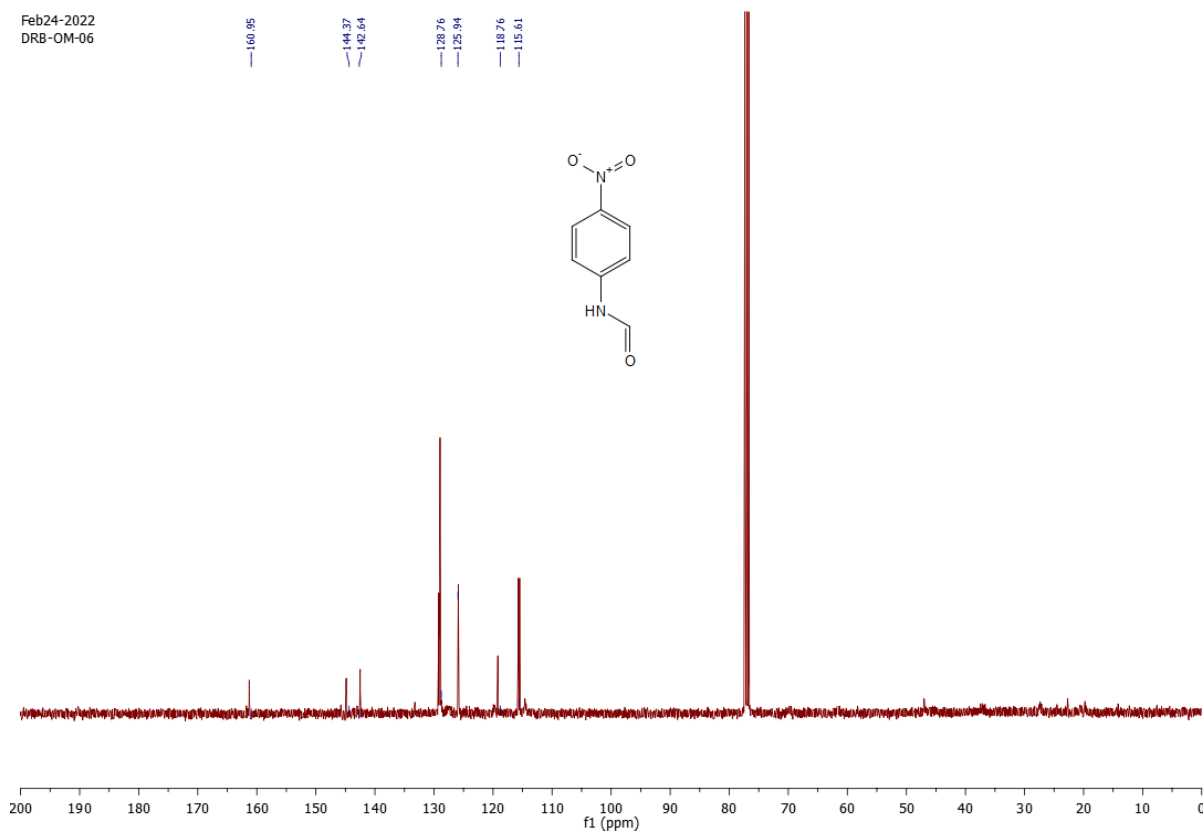
Moiety formula	C ₇ H ₄ F ₂ N O
Volume	1360.2
Cell	a=8.497(1) b=11.388(1) c=14.057(1) alpha=90 beta=90 gamma=90
Temperature	273 K
Wavelength	0.71073
Z	8
R (%)	5.08

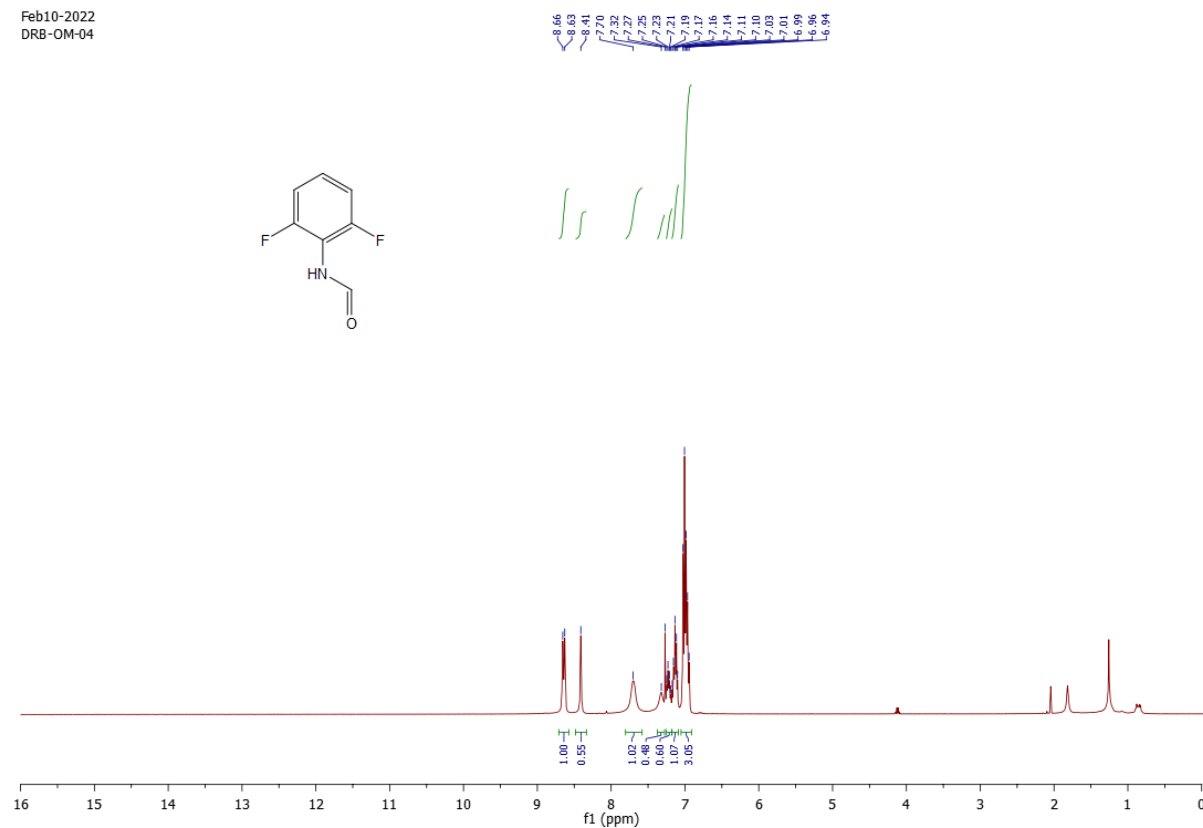
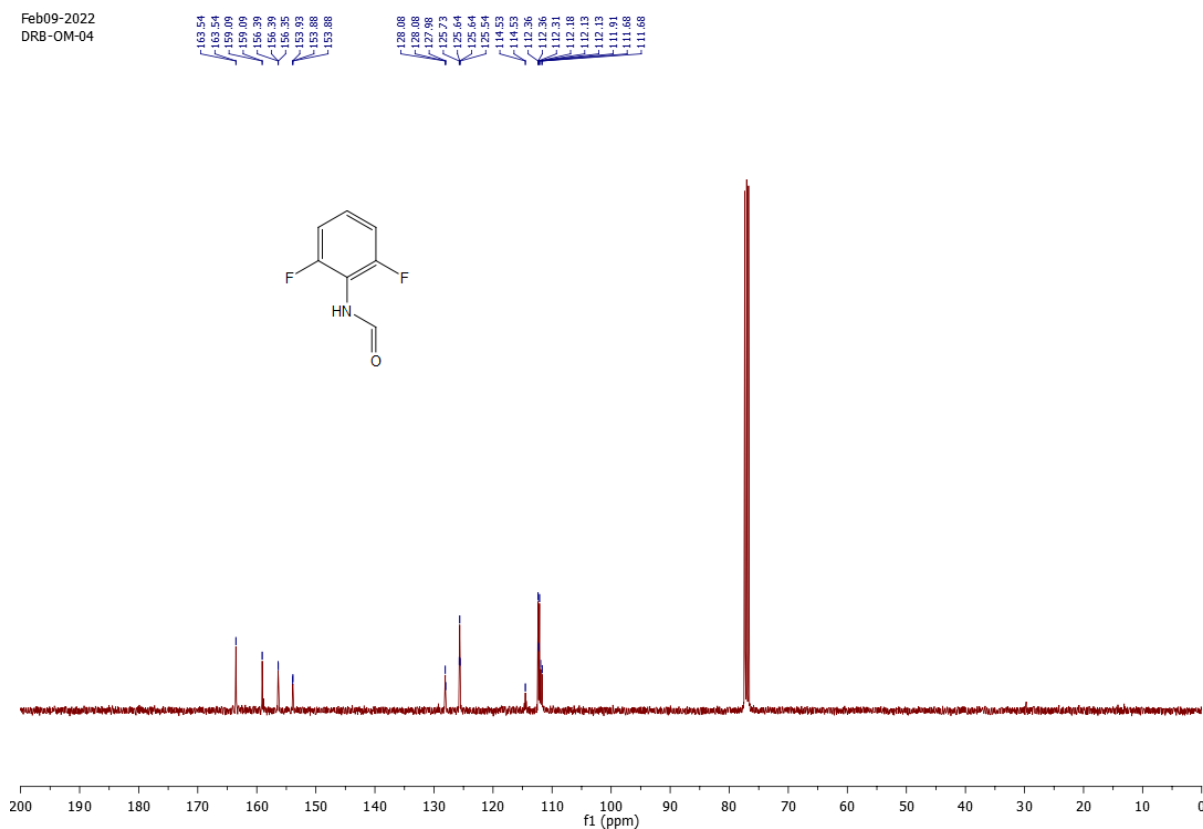
^1H & ^{13}C of Compound 3aApr08-2022
DRB-OM-15

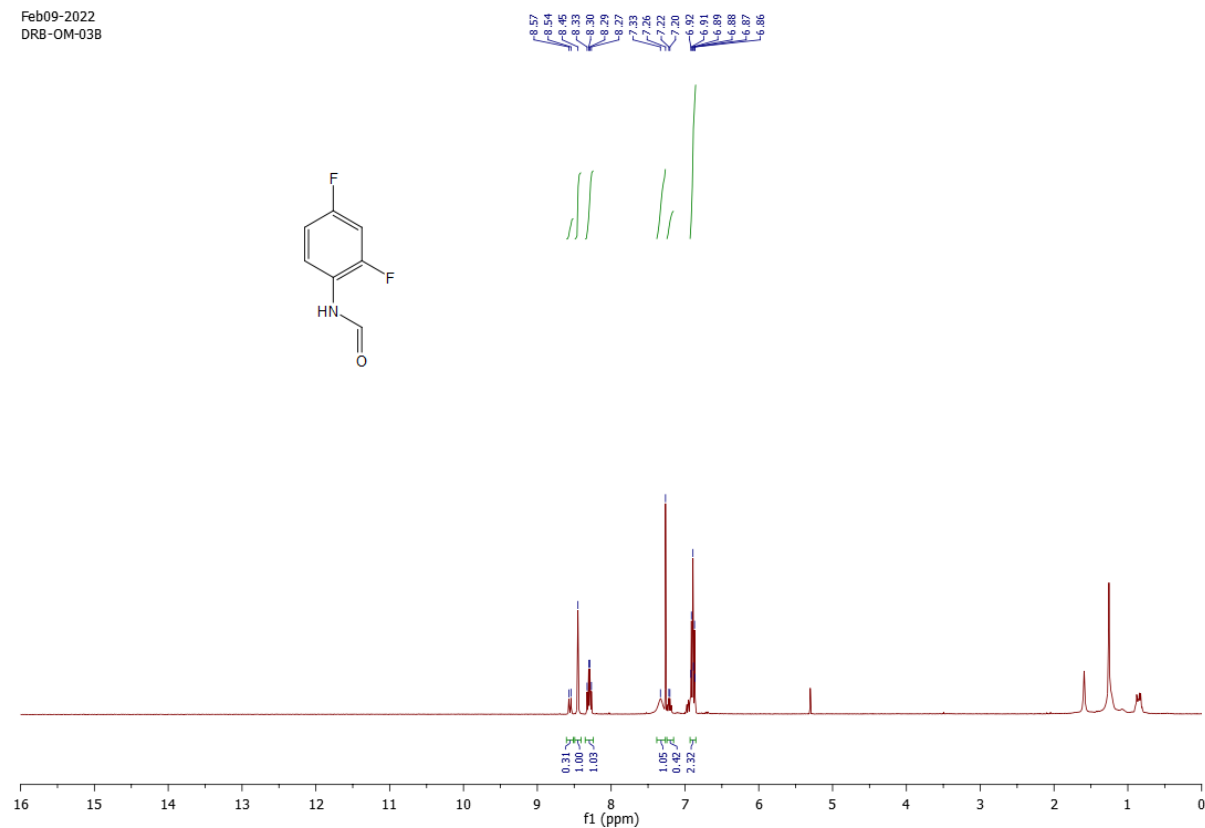
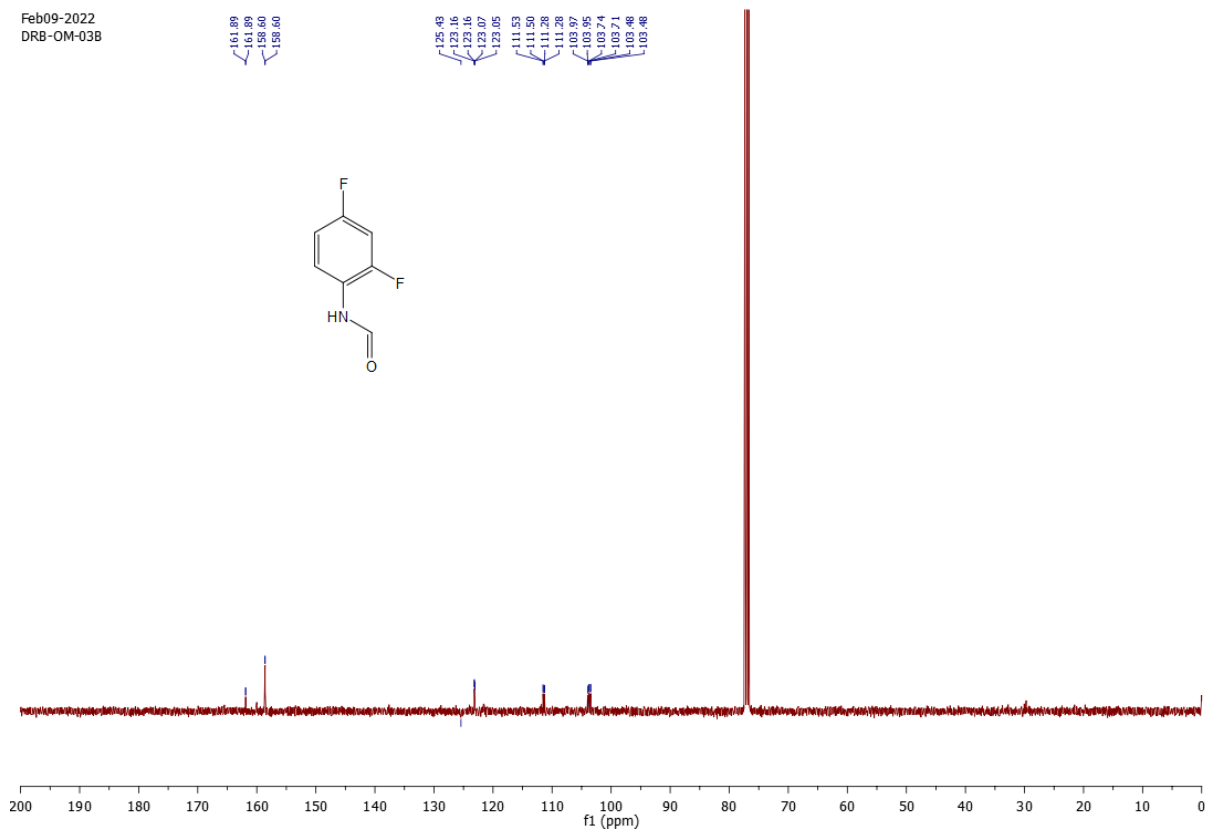
^1H & ^{13}C of Compound 3bFeb09-2022
DRB-OM-01Feb09-2022
DRB-OM-01

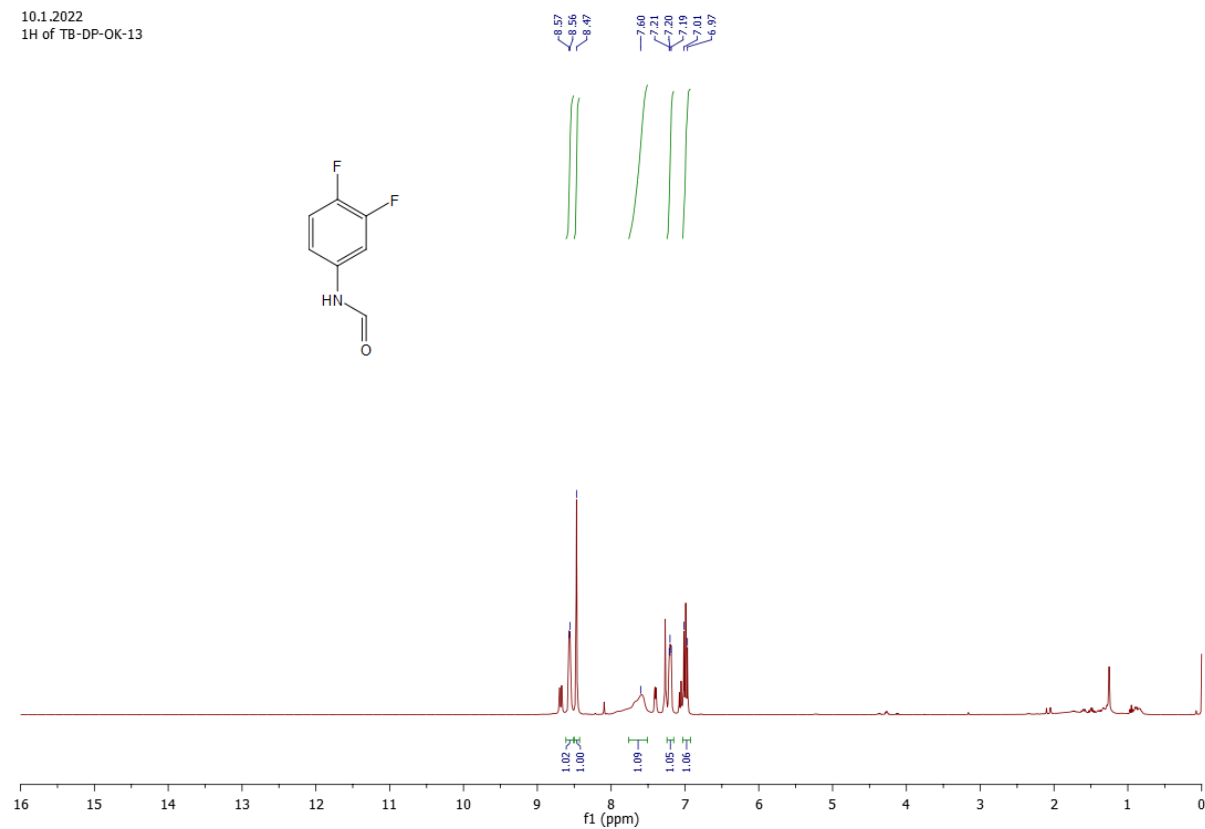
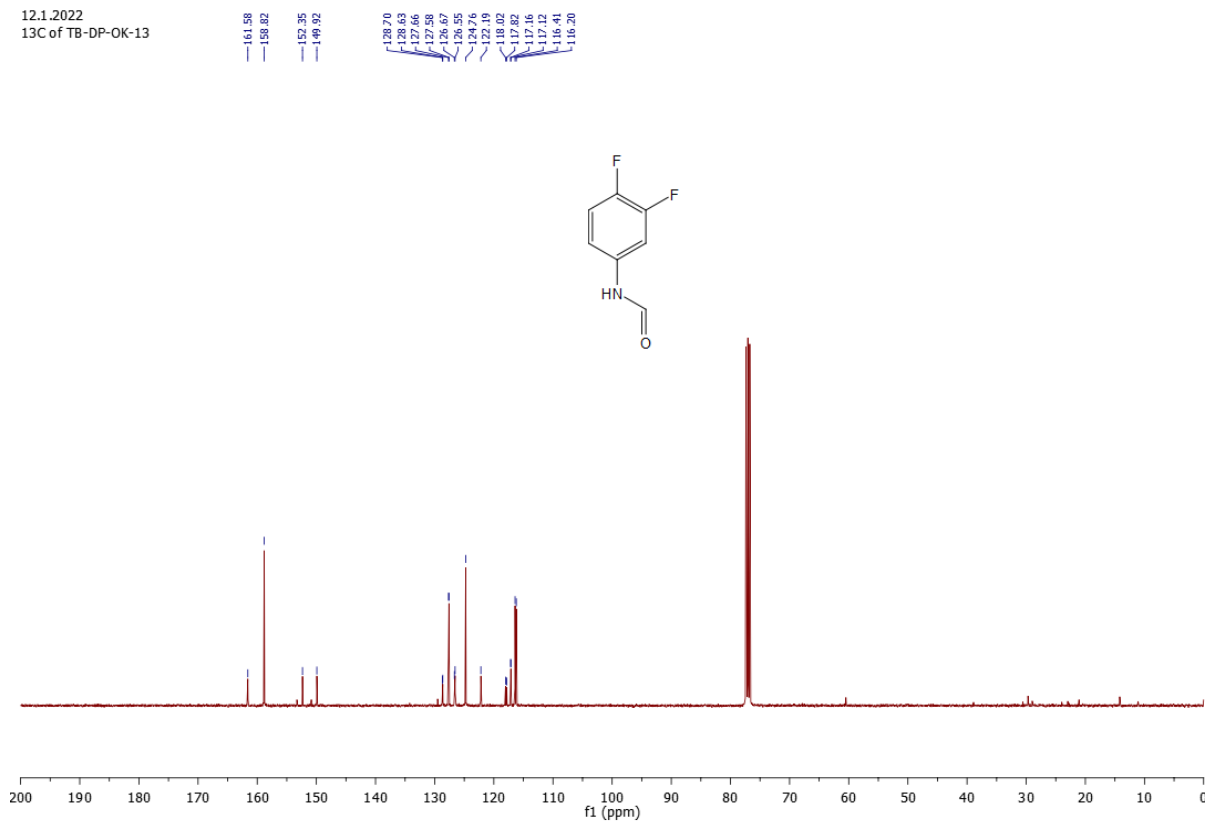
^1H & ^{13}C of Compound 3cFeb09-2022
DRB-OM-02Feb09-2022
DRB-OM-02

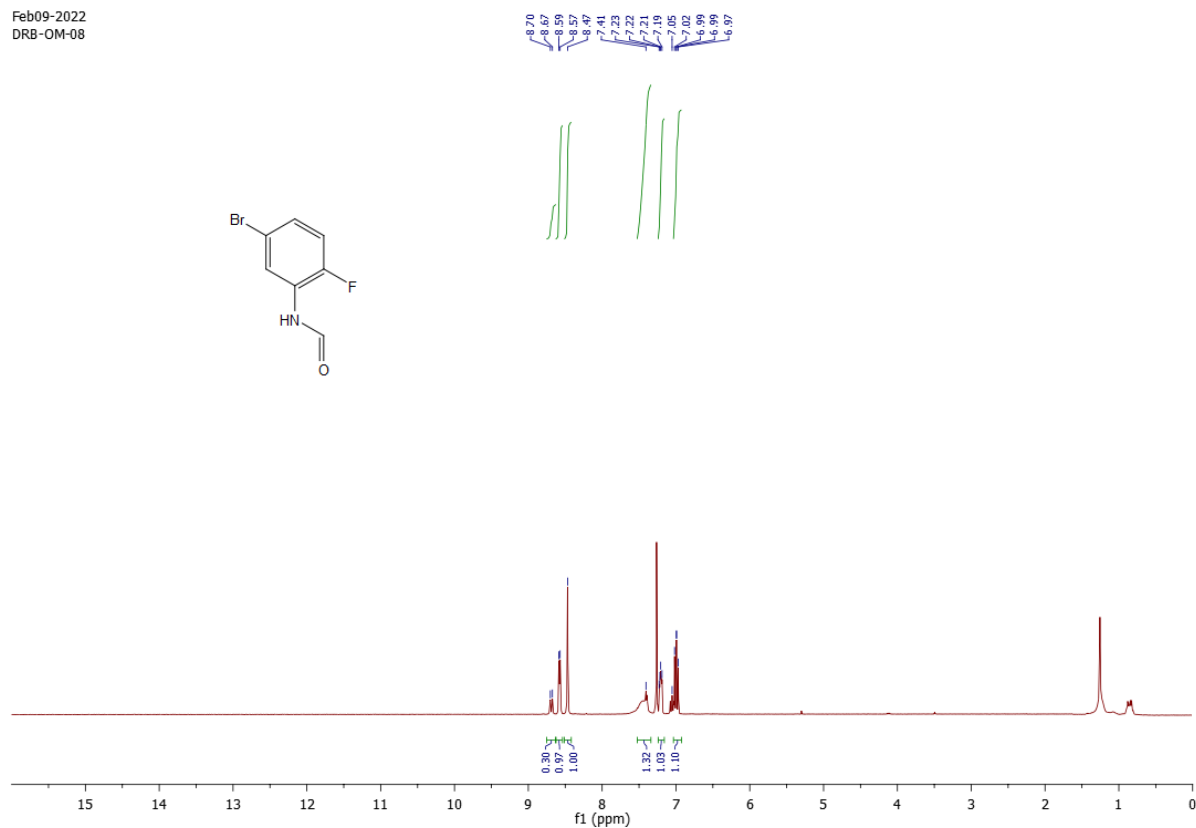
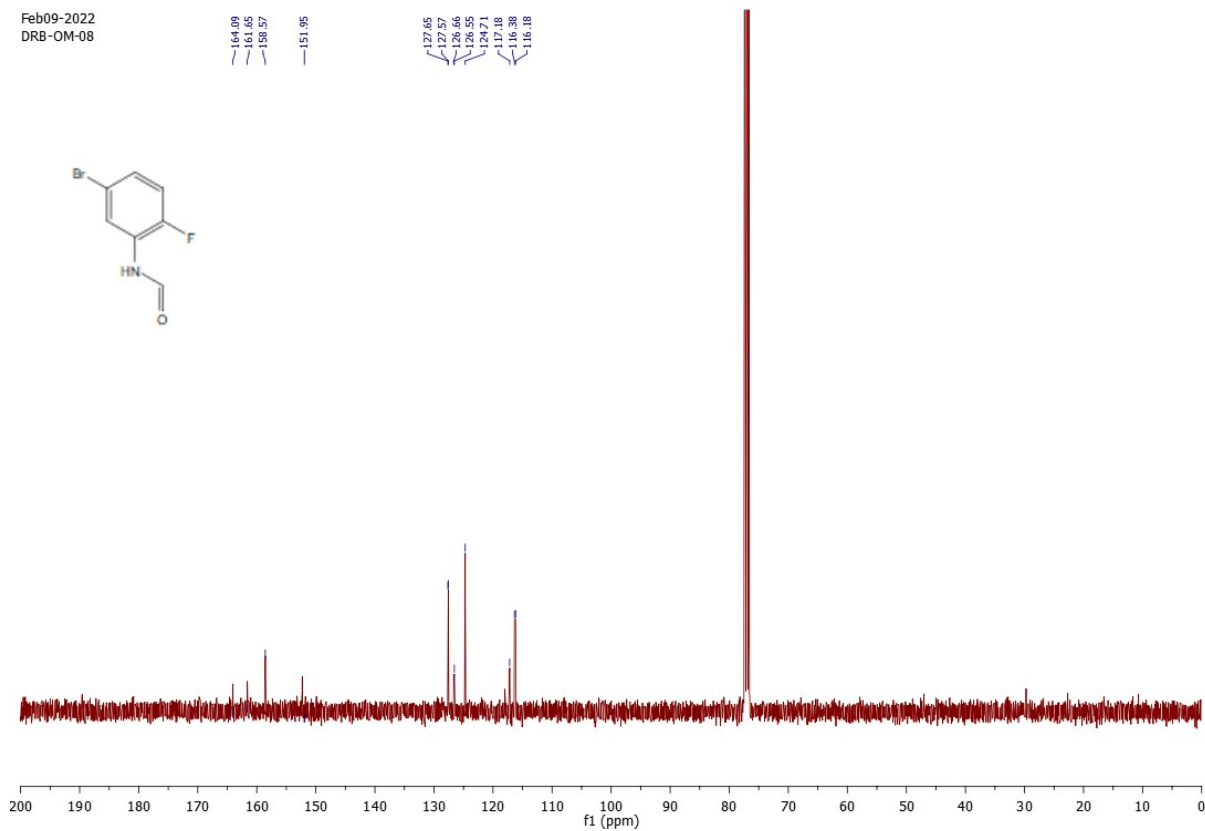
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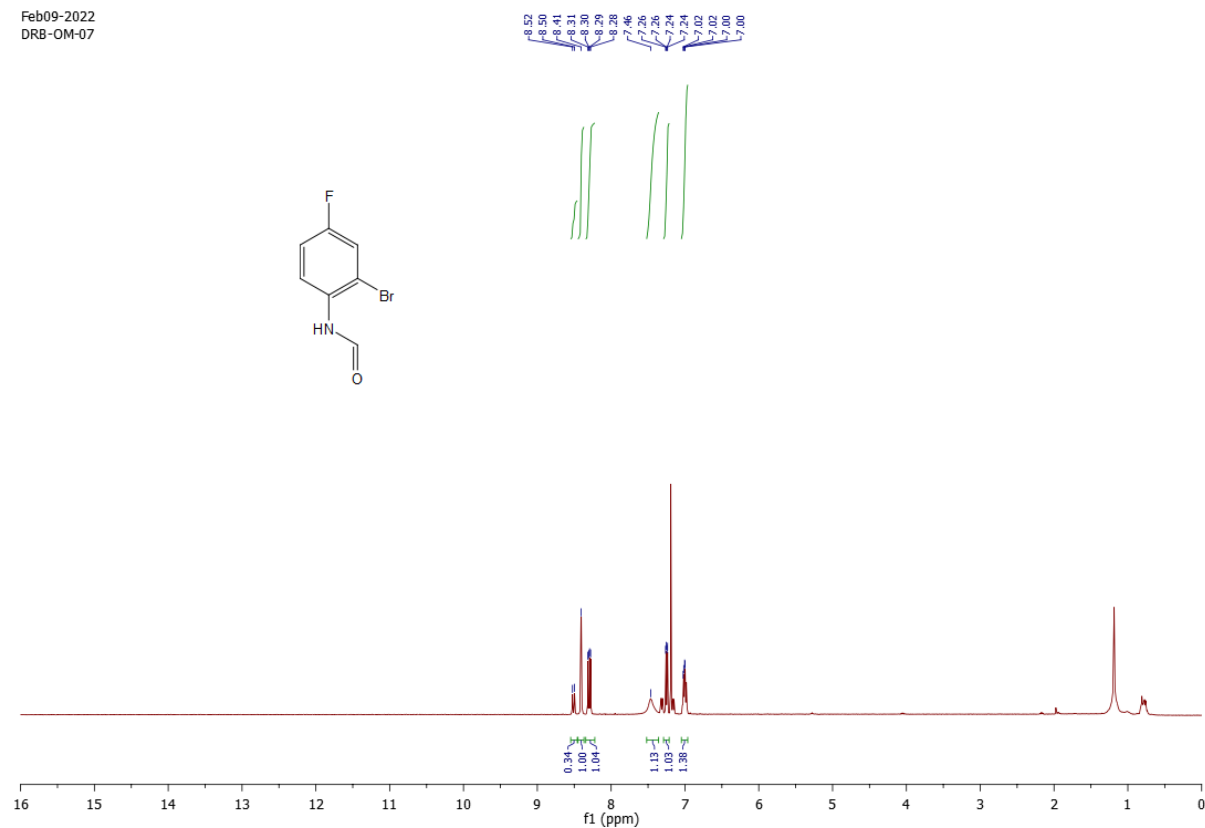
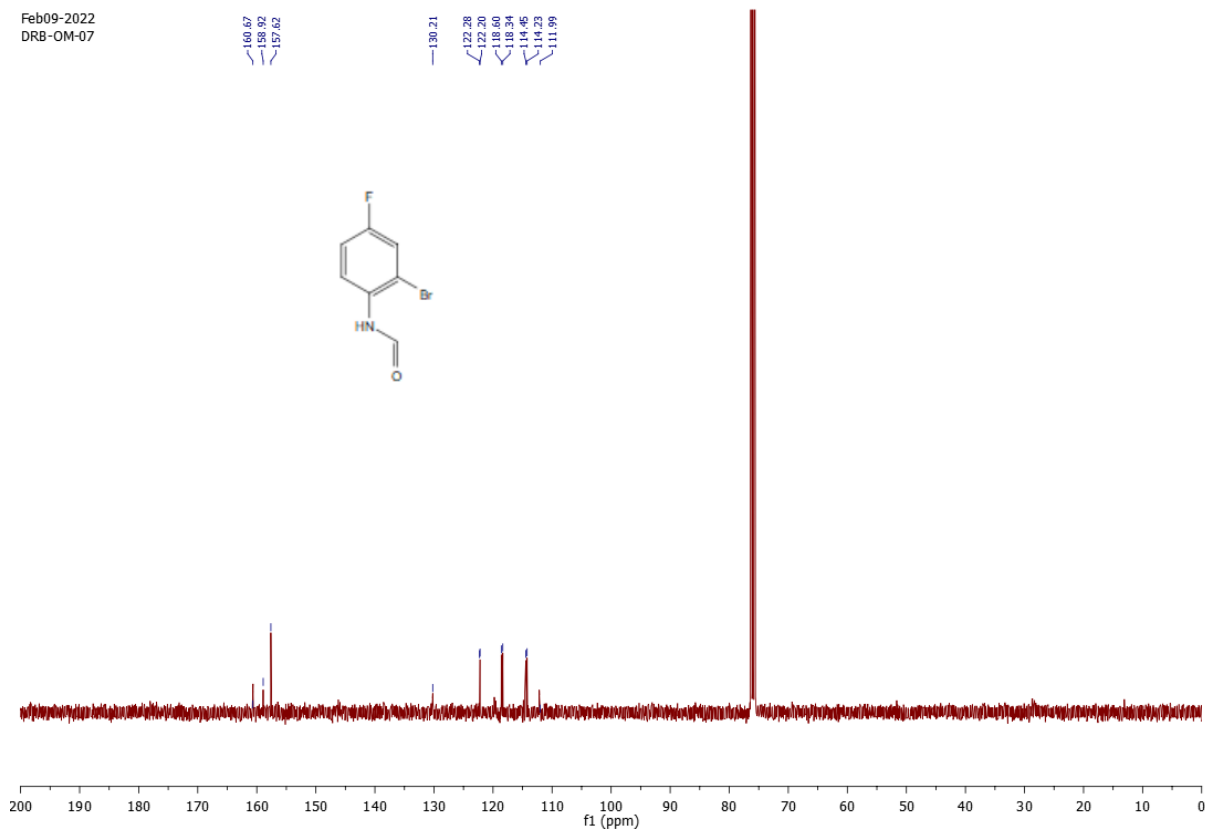
^1H & ^{13}C of Compound 3eFeb09-2022
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DRB-OM-06

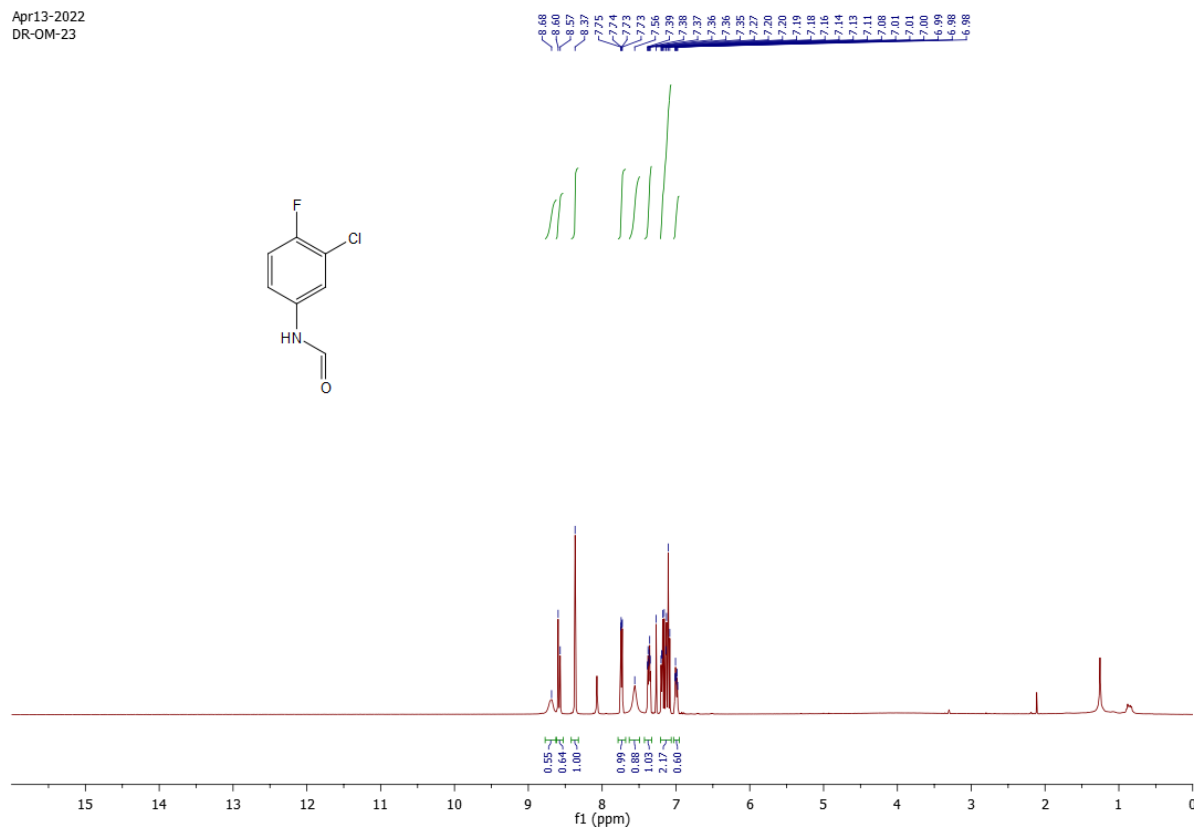
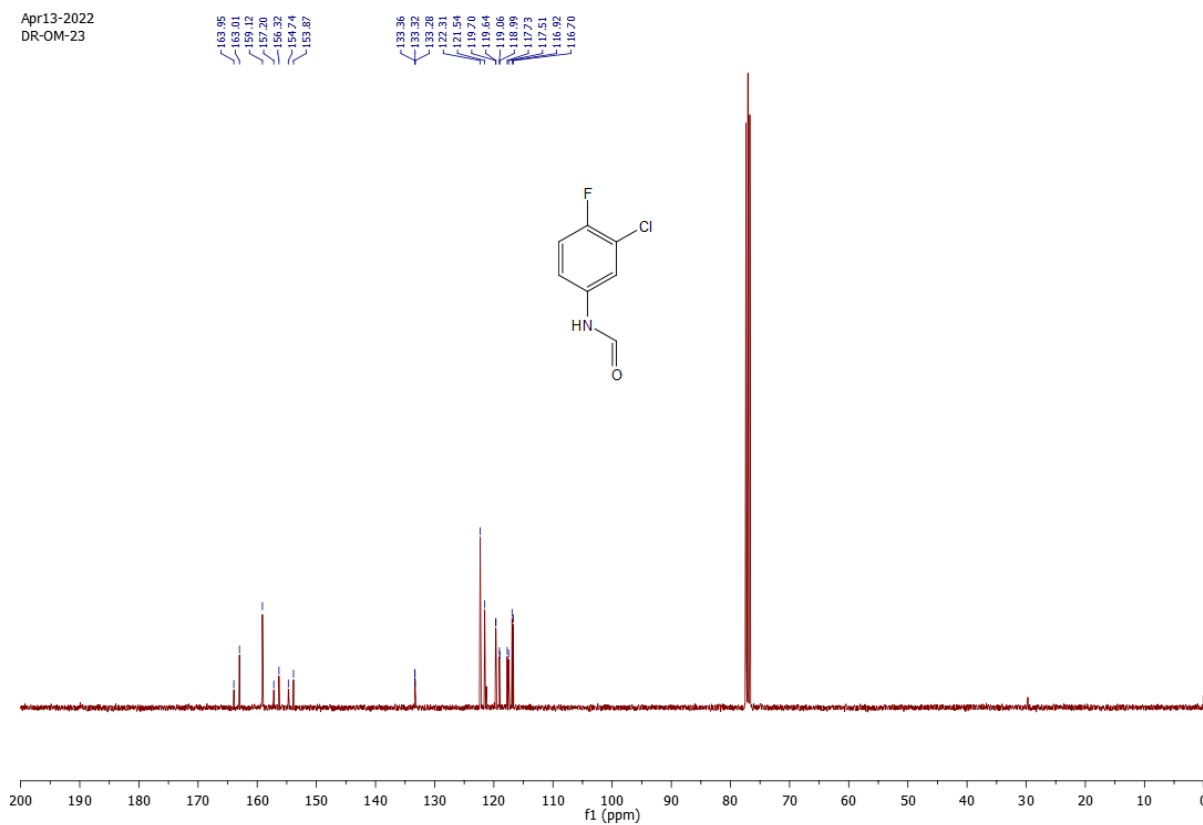
^1H & ^{13}C of Compound 3fFeb10-2022
DRB-OM-04Feb09-2022
DRB-OM-04

^1H & ^{13}C of Compound 3gFeb09-2022
DRB-OM-03BFeb09-2022
DRB-OM-03B

^1H & ^{13}C of Compound 3h10.1.2022
1H of TB-DP-OK-1312.1.2022
13C of TB-DP-OK-13

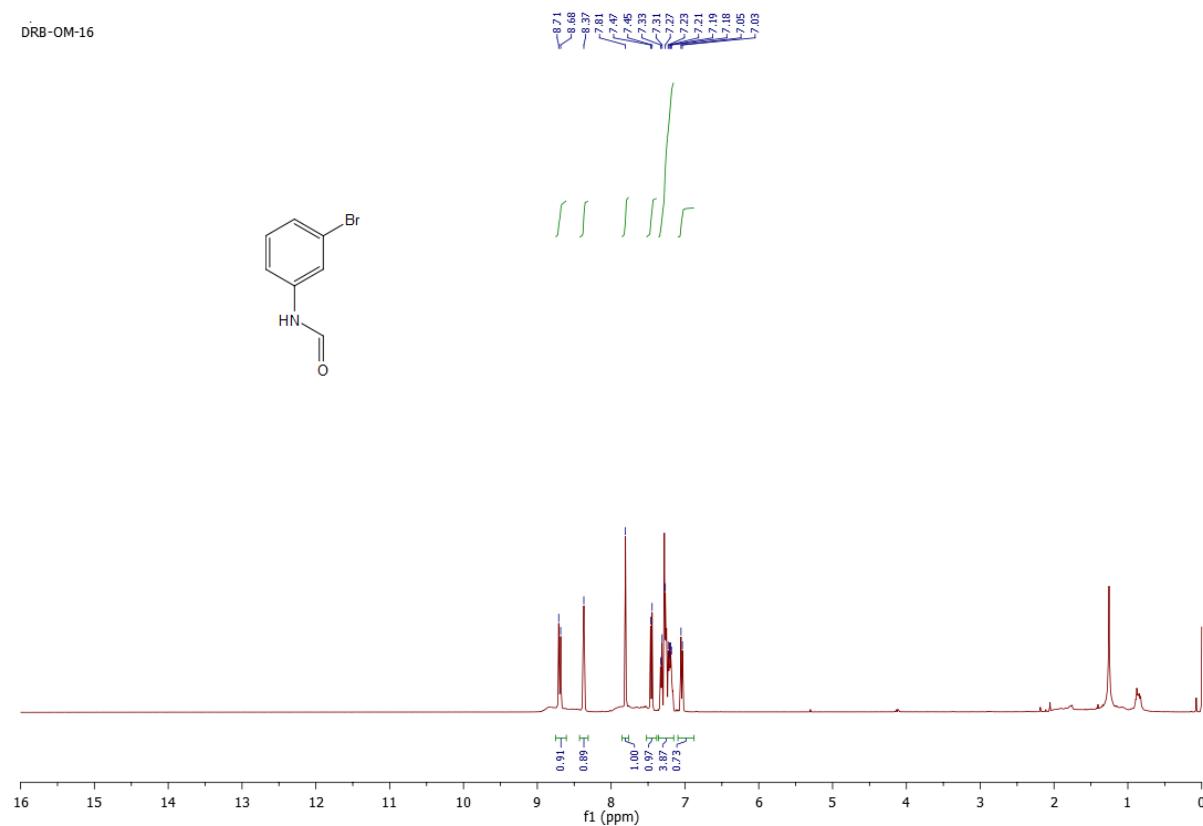
^1H & ^{13}C of Compound 3iFeb09-2022
DRB-OM-08Feb09-2022
DRB-OM-08

^1H & ^{13}C of Compound 3jFeb09-2022
DRB-OM-07Feb09-2022
DRB-OM-07

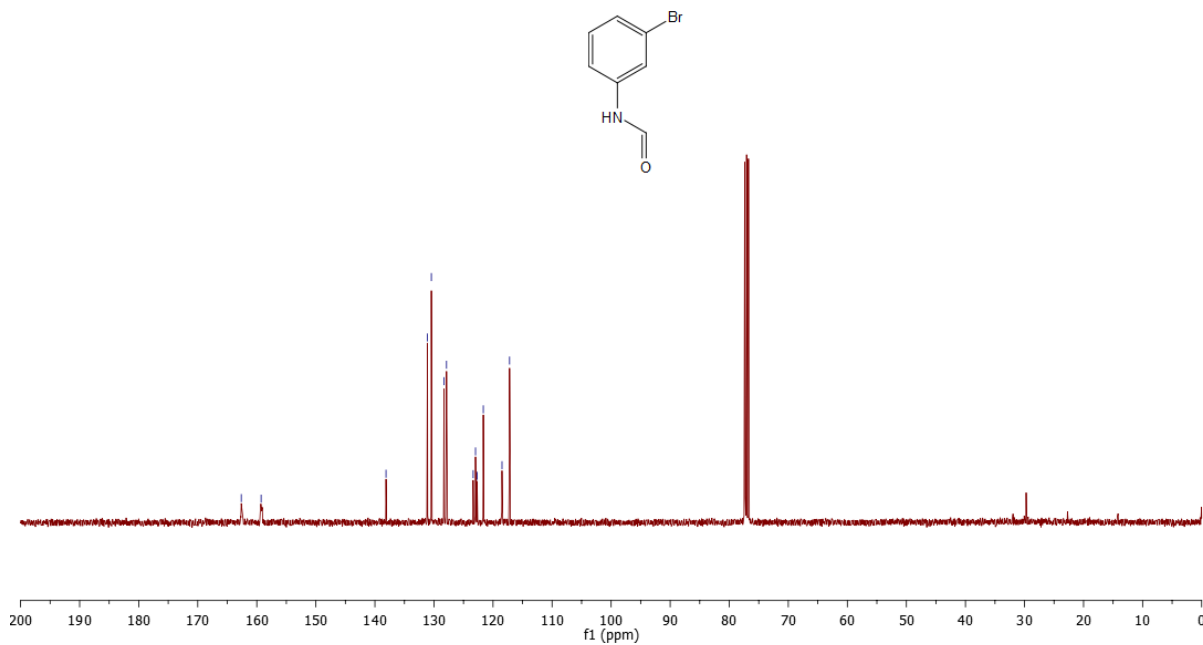
^1H & ^{13}C of Compound 3kApr13-2022
DR-OM-23Apr13-2022
DR-OM-23

^1H & ^{13}C of Compound 3l

DRB-OM-16

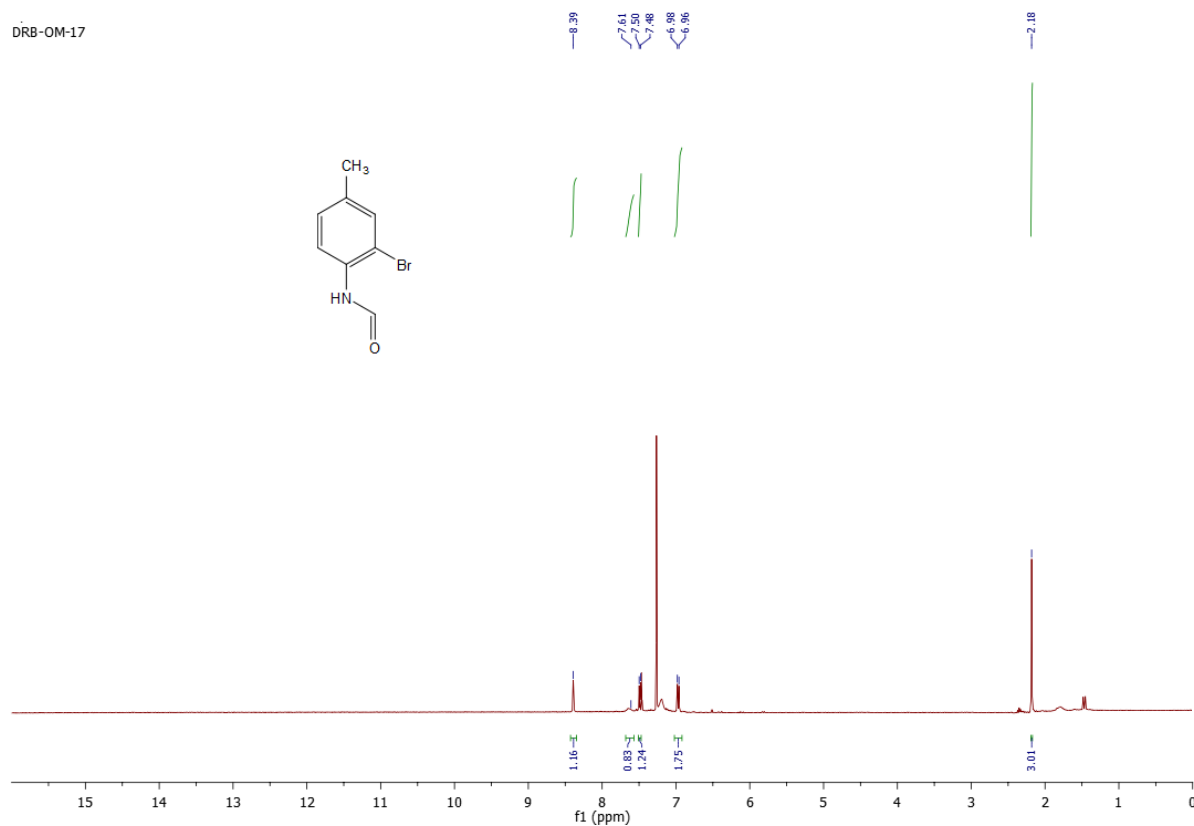


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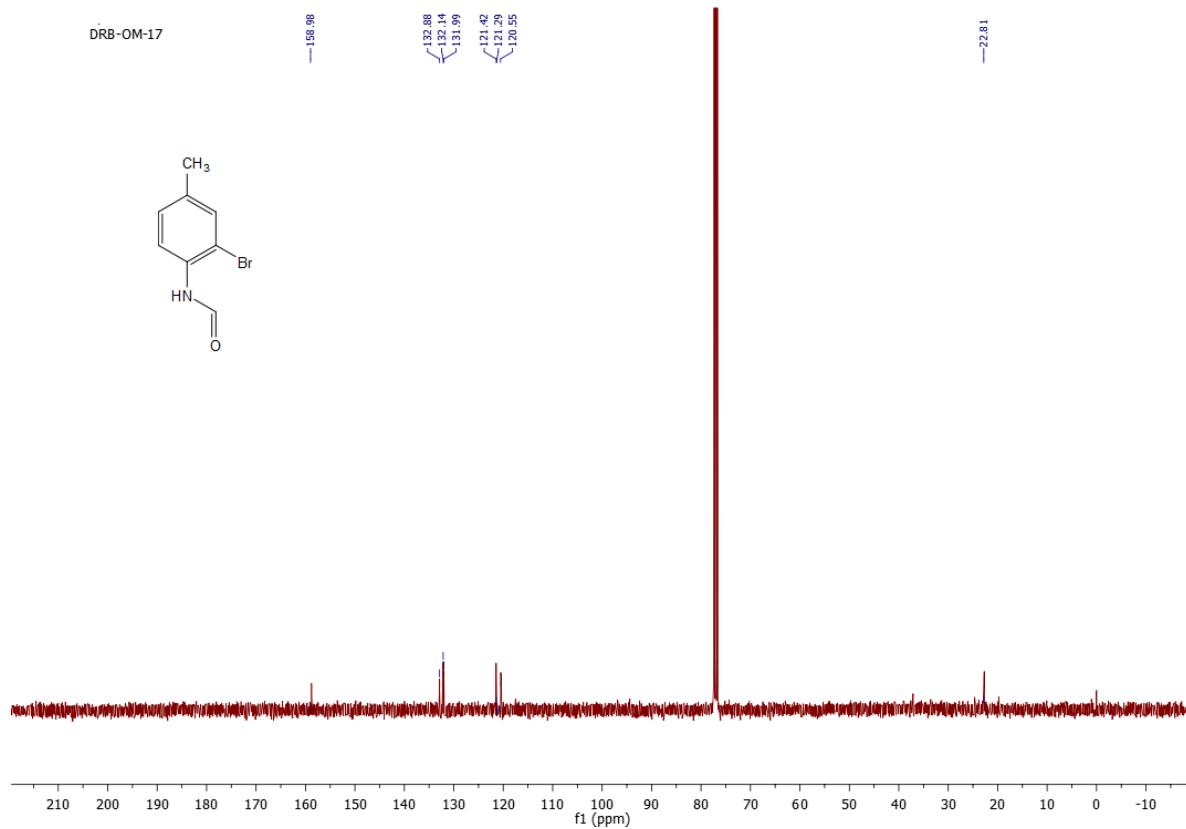


^1H & ^{13}C of Compound 3m

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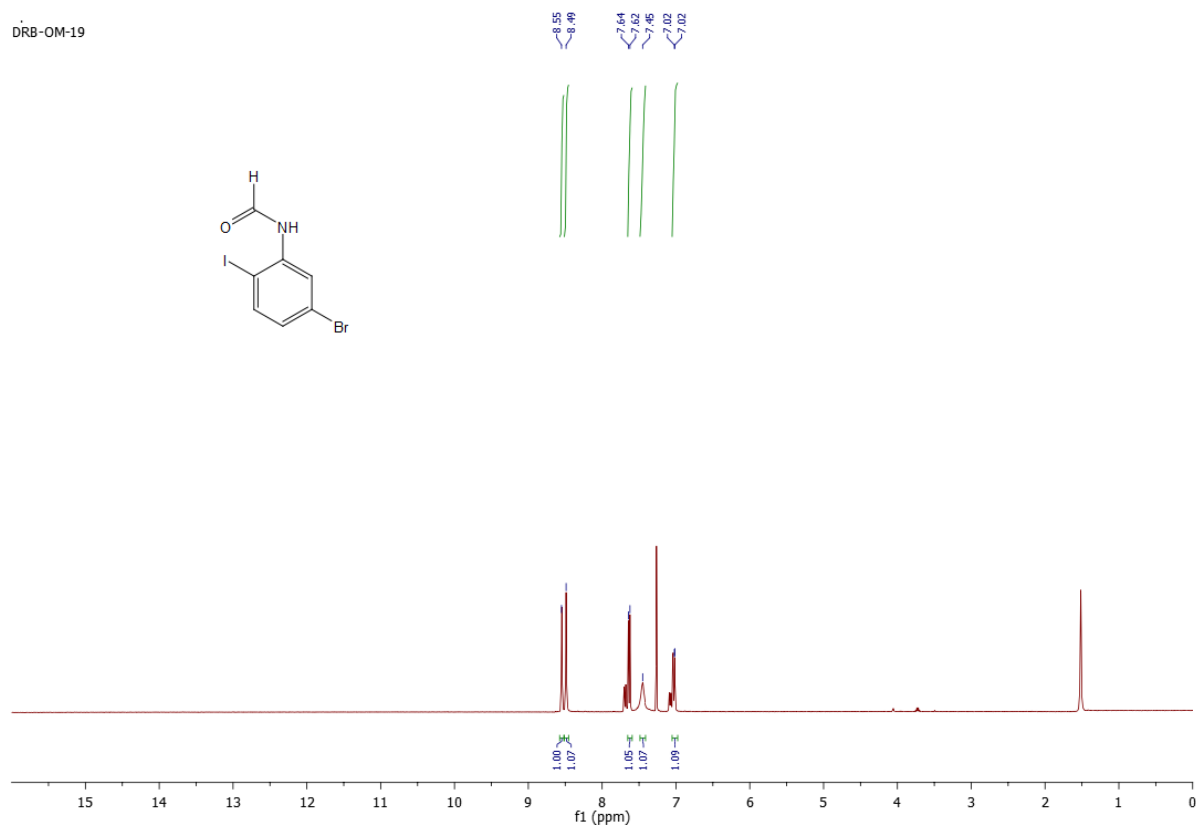
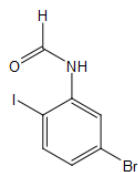


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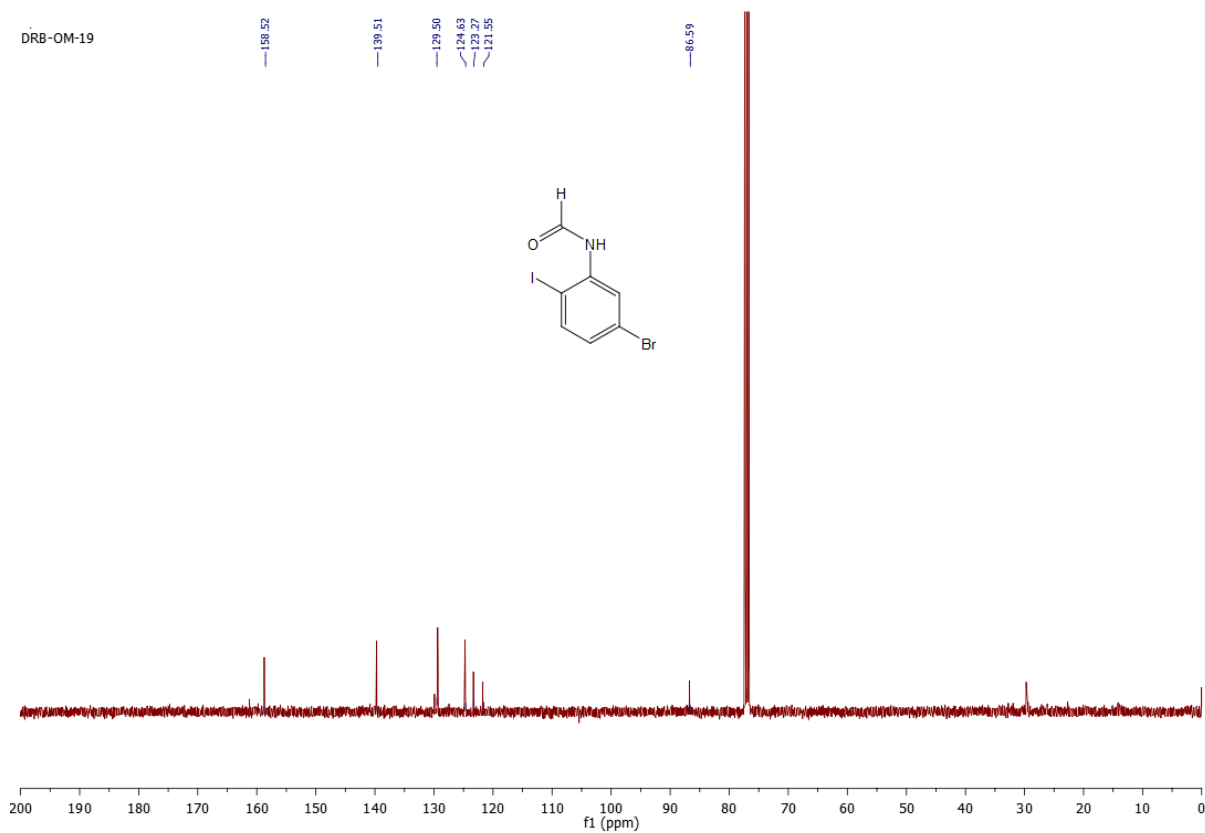
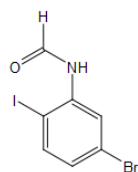


^1H & ^{13}C of Compound 3n

DRB-OM-19



DRB-OM-19



^1H & ^{13}C of Compound 3o