

Supporting information

for

Synthesis and stability of strongly acidic benzamide derivatives

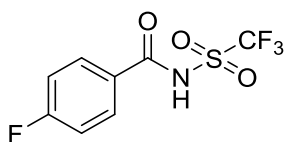
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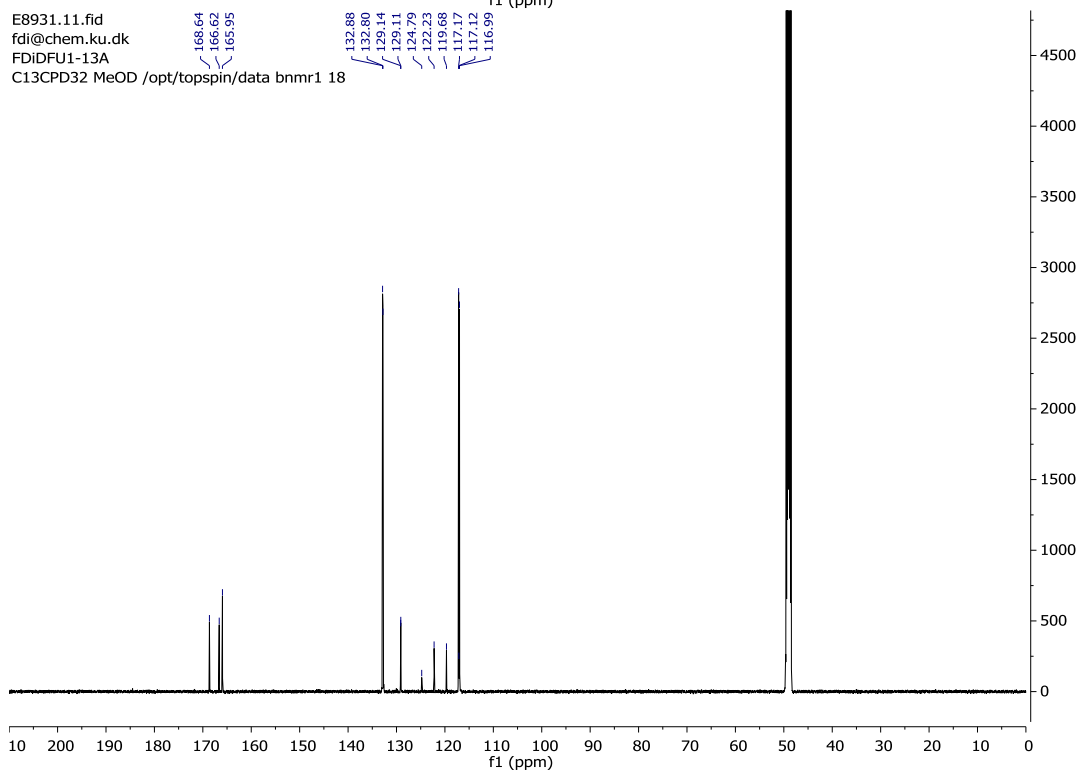
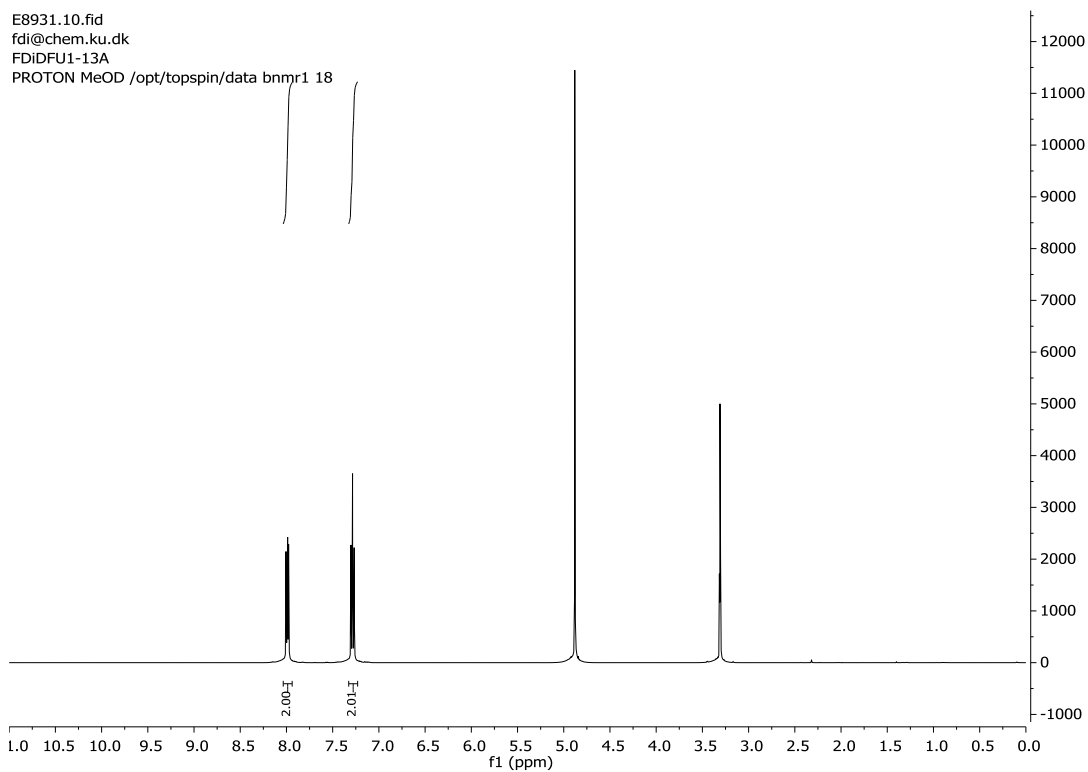
Email: Frederik Diness - fdi@chem.ku.dk

* Corresponding author

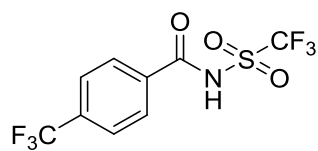
NMR spectra of synthesized compounds



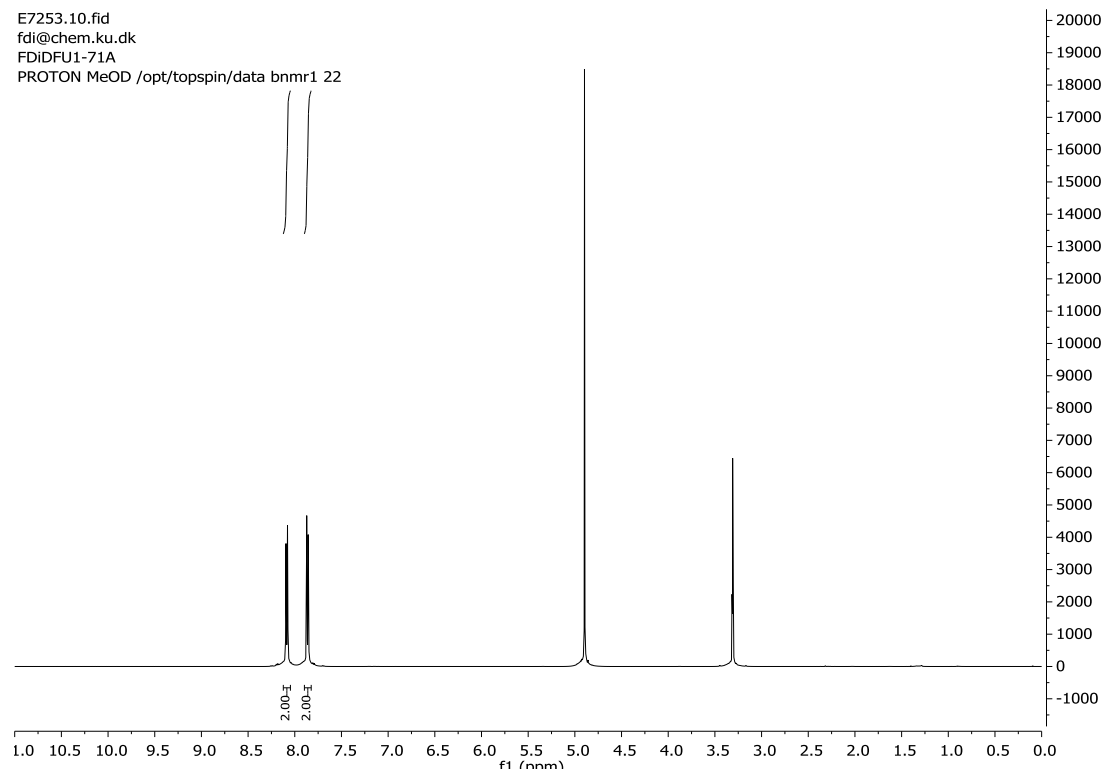
4-Fluoro-*N*-((trifluoromethyl)sulfonyl)benzamide (**9a**).



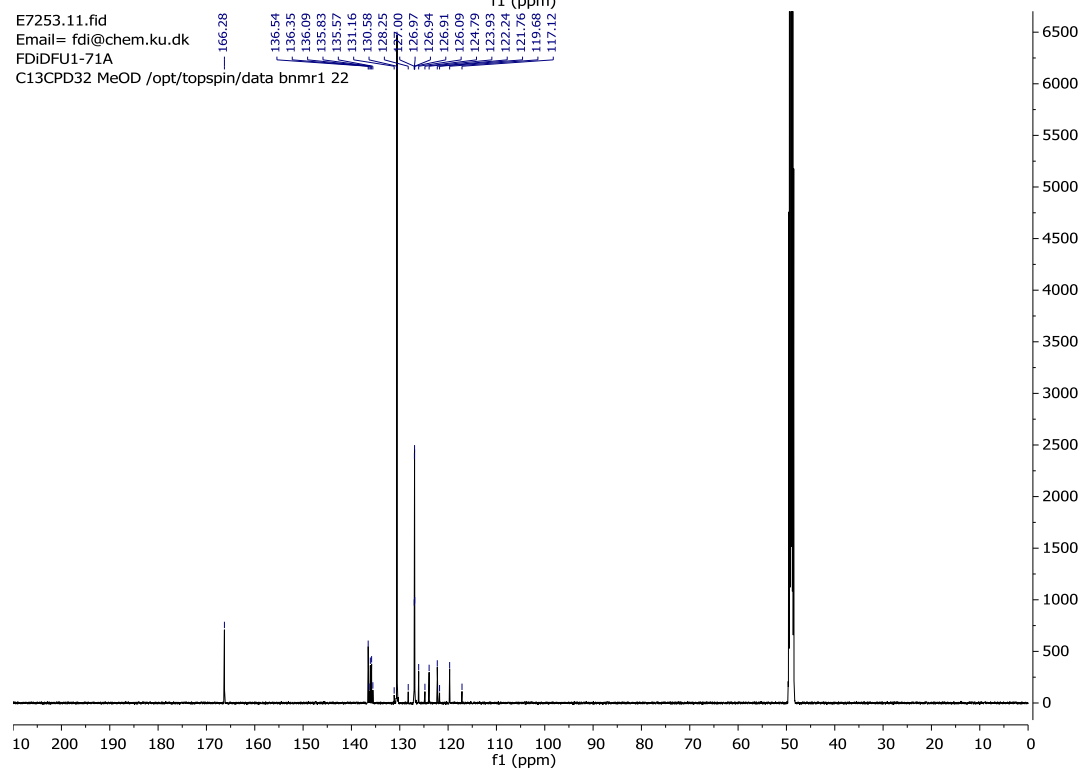
4-Trifluoromethyl-*N*-((trifluoromethyl)sulfonyl)benzamide (**9b**).

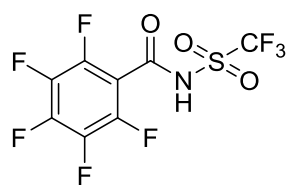


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fdi@chem.ku.dk
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PROTON MeOD /opt/topspin/data bnmr1 22



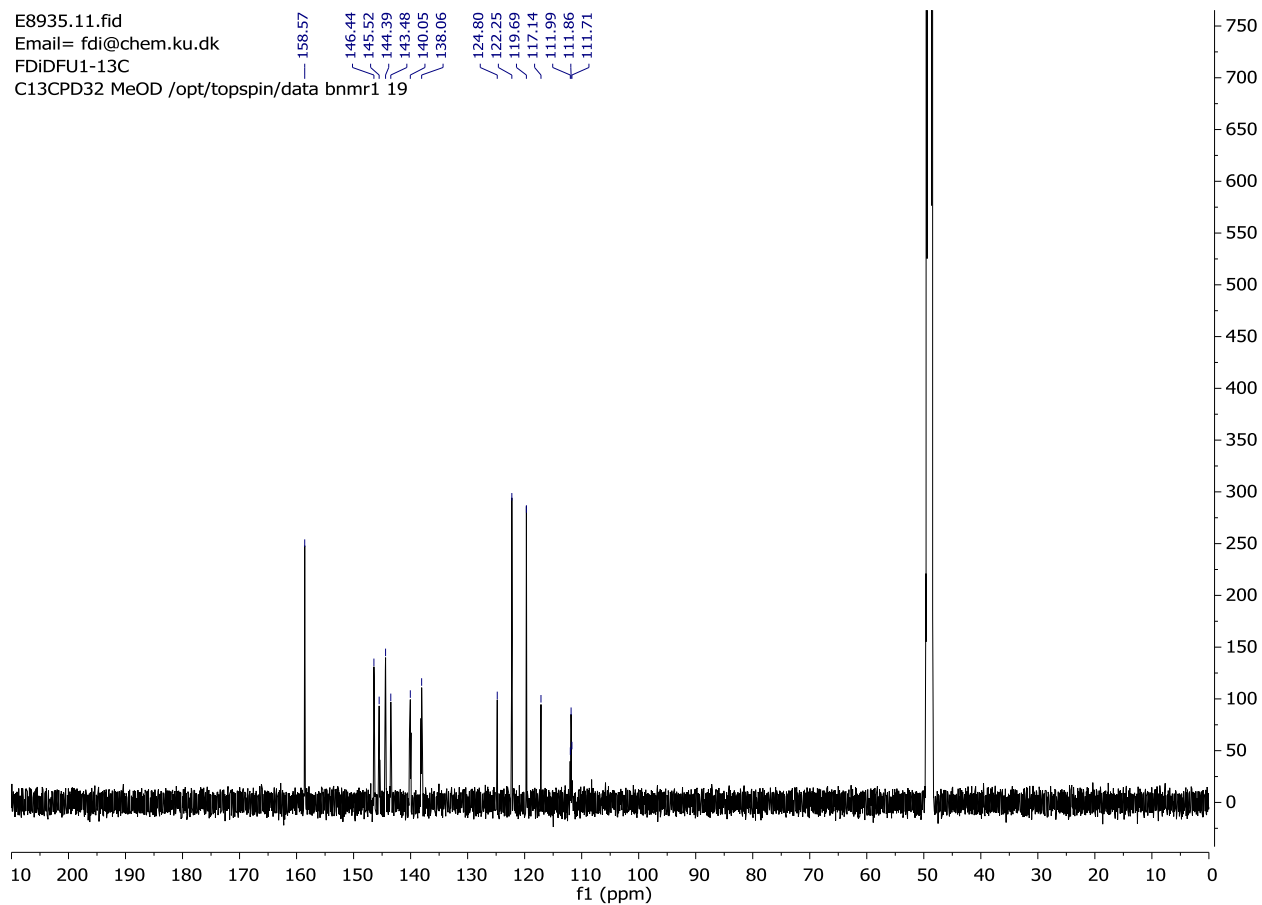
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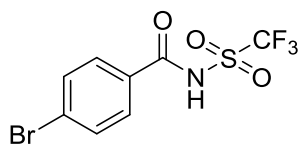




Pentafluoro-*N*-((trifluoromethyl)sulfonyl)benzamide (**9c**).

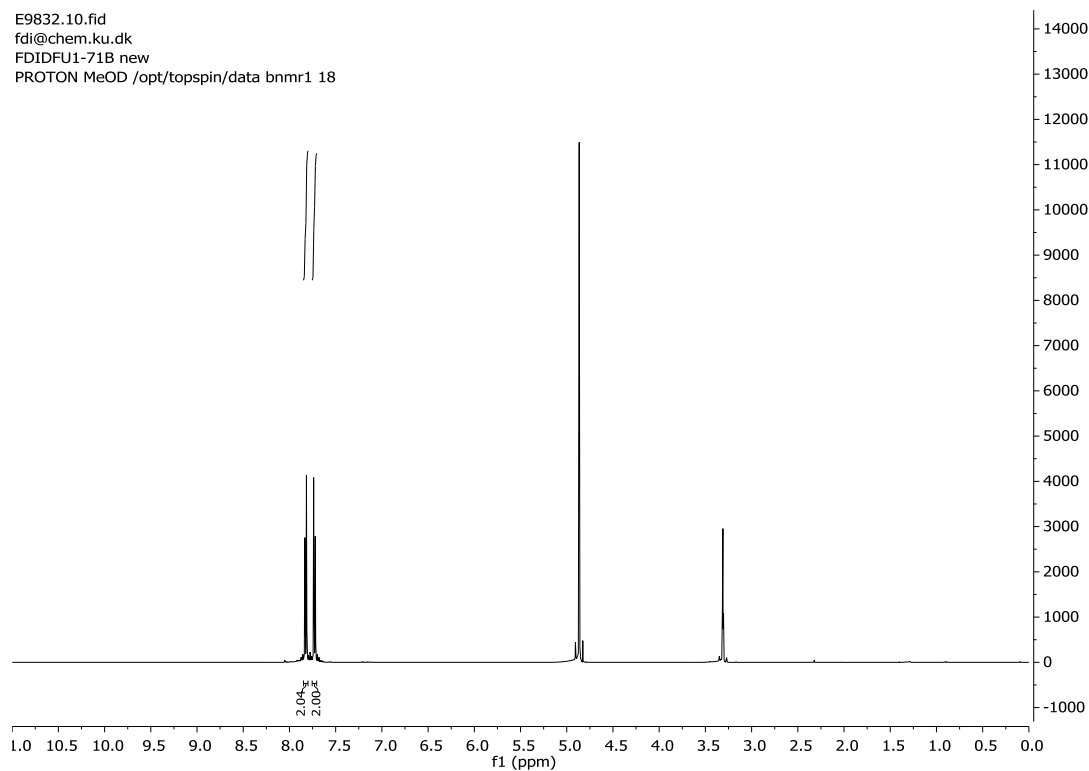
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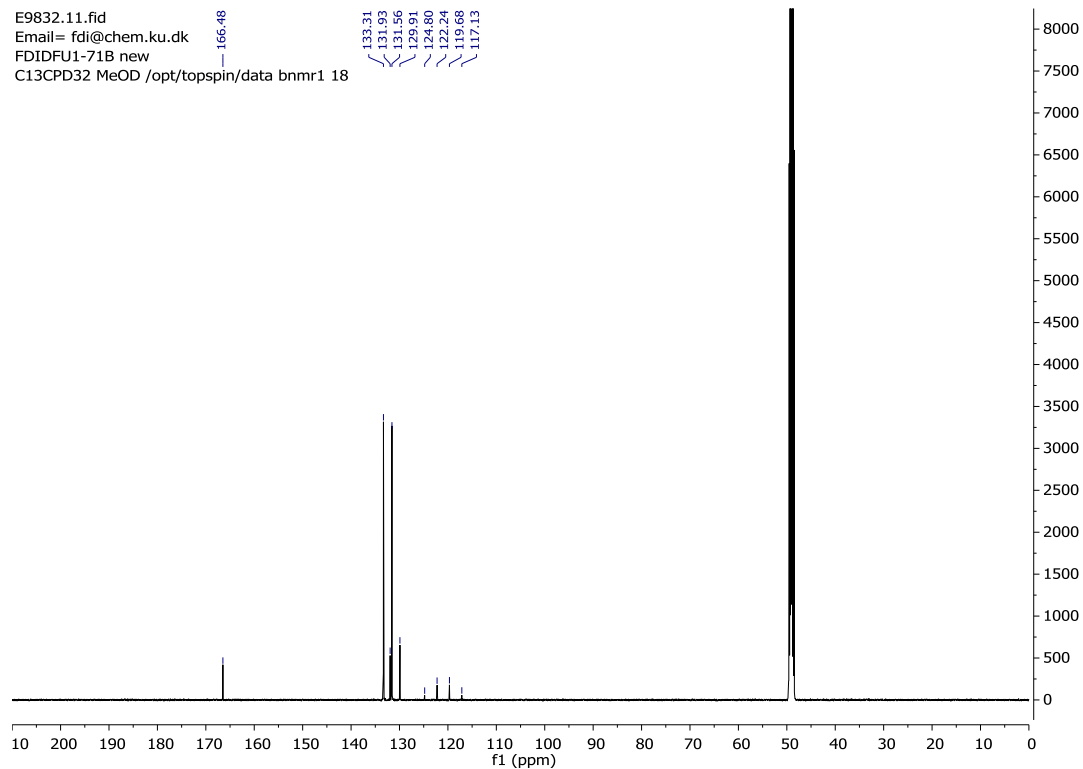


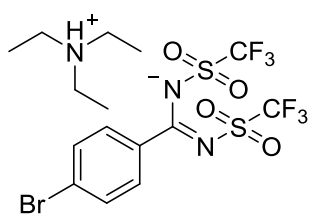
4-Bromo-*N*-((trifluoromethyl)sulfonyl)benzamide (**9d**).

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fdi@chem.ku.dk
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PROTON MeOD /opt/topspin/data bnmr1 18



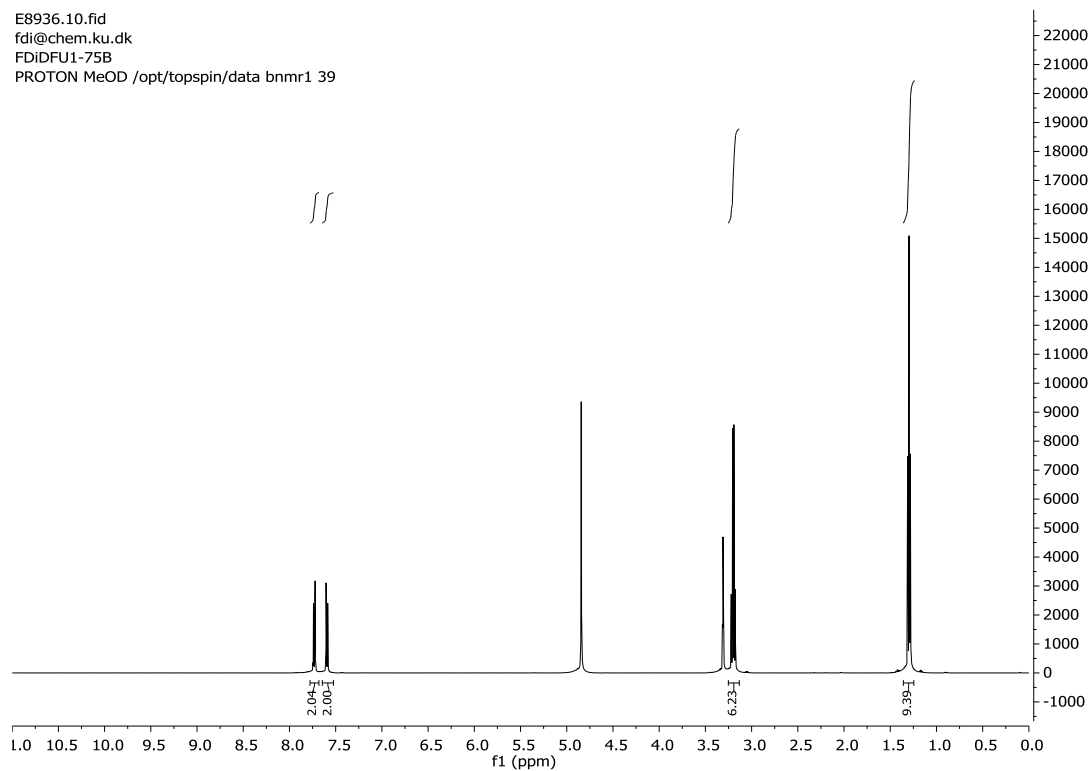
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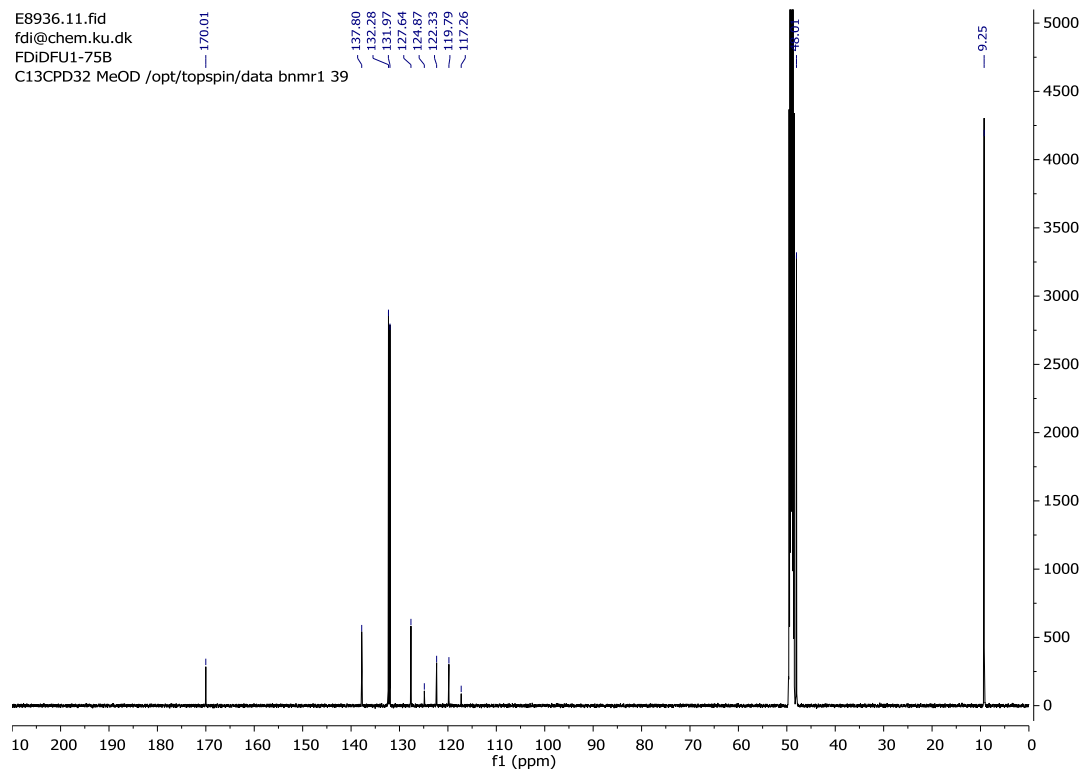


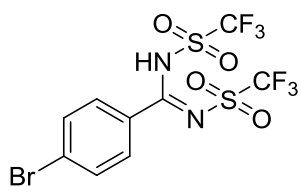
Triethylamine salt of 4-bromo-*N,N'*-bis((trifluoromethyl)sulfonyl)benzimidamide (**11**).

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PROTON MeOD /opt/topspin/data bnmr1 39



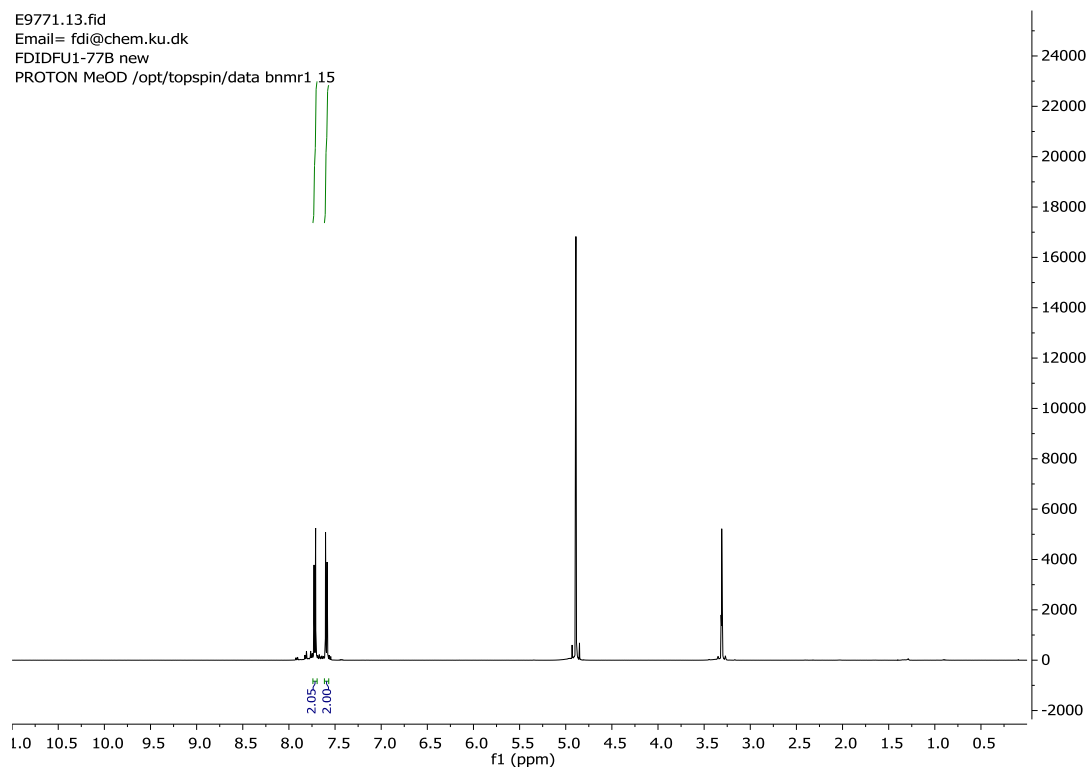
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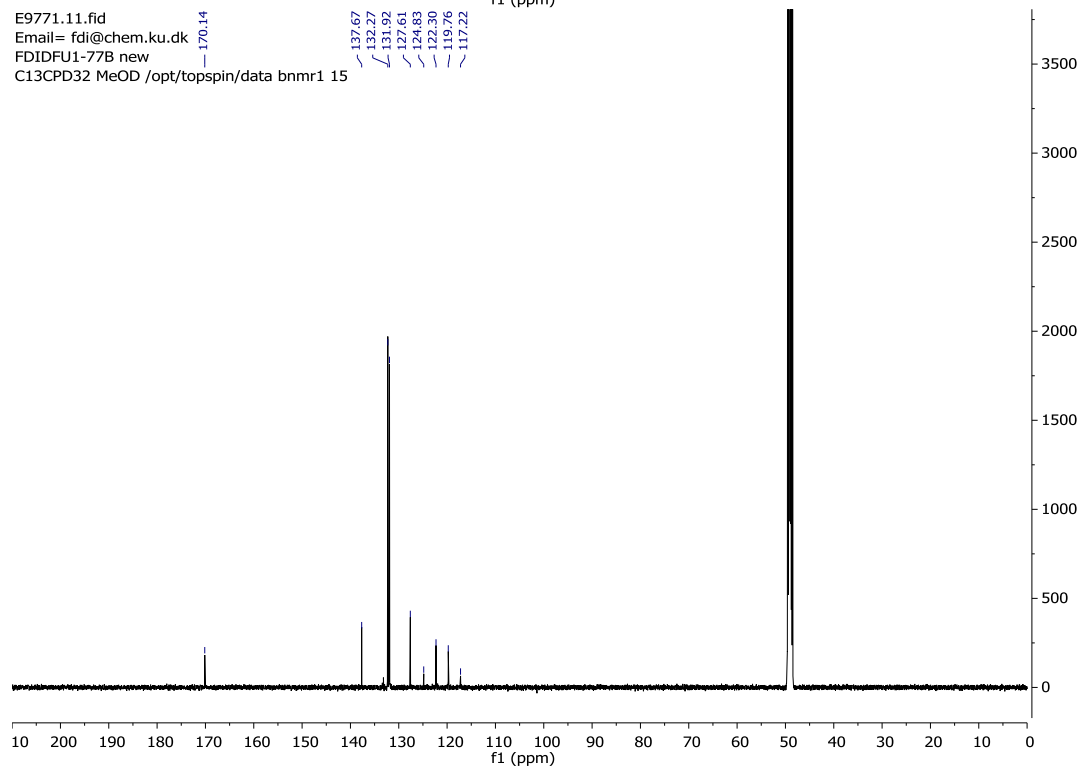


4-Bromo-*N,N'*-bis((trifluoromethyl)sulfonyl)benzimidamide (**12**).

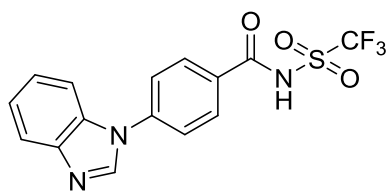
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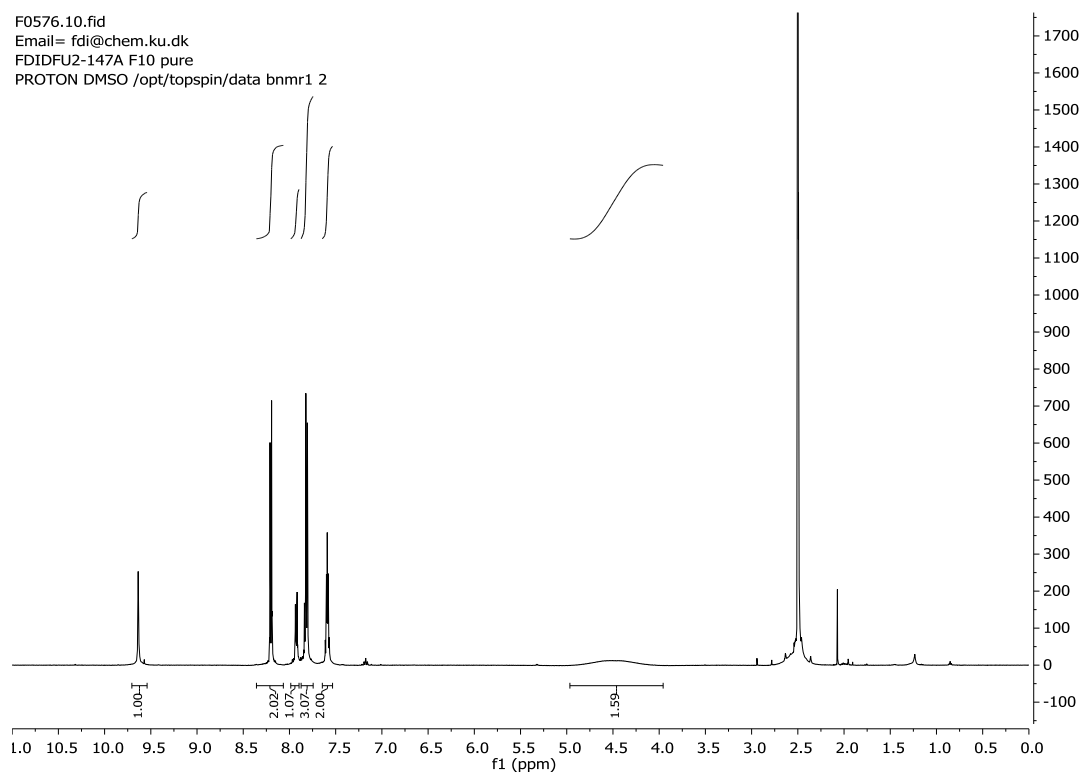
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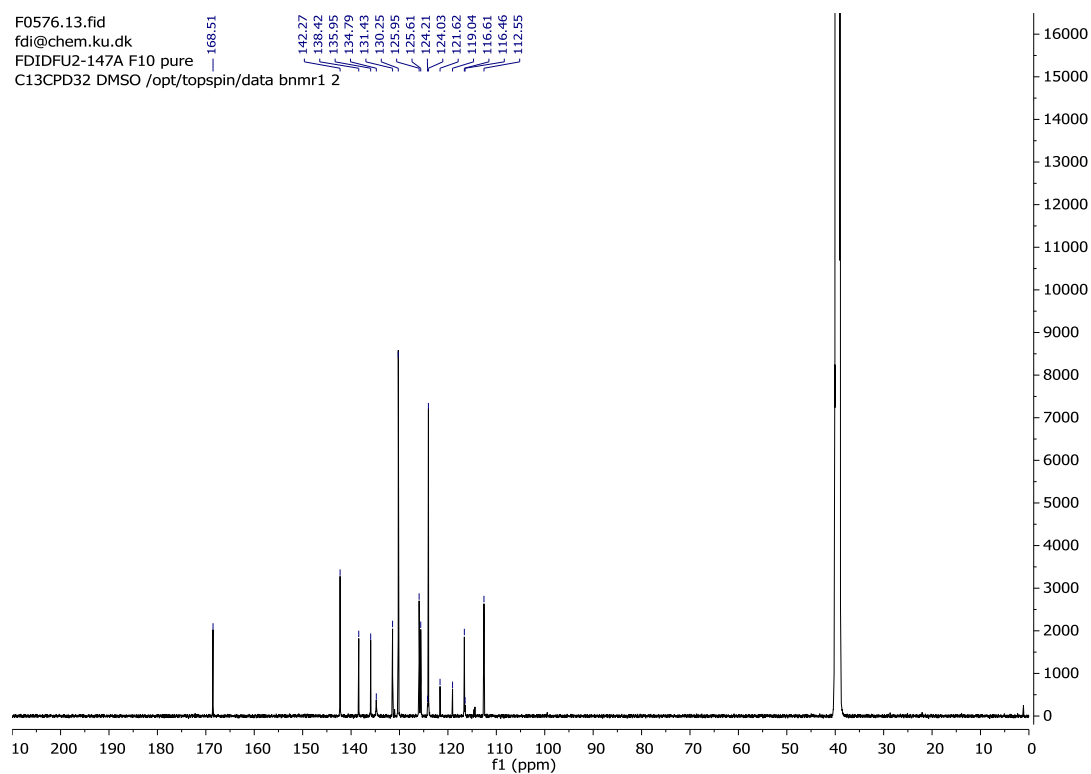
4-(1*H*-Benzo[d]imidazol-1-yl)-*N*-((trifluoromethyl)sulfonyl)benzamide (**13**).

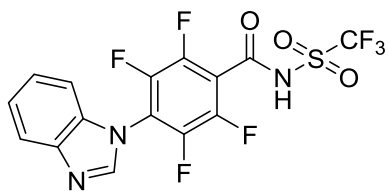


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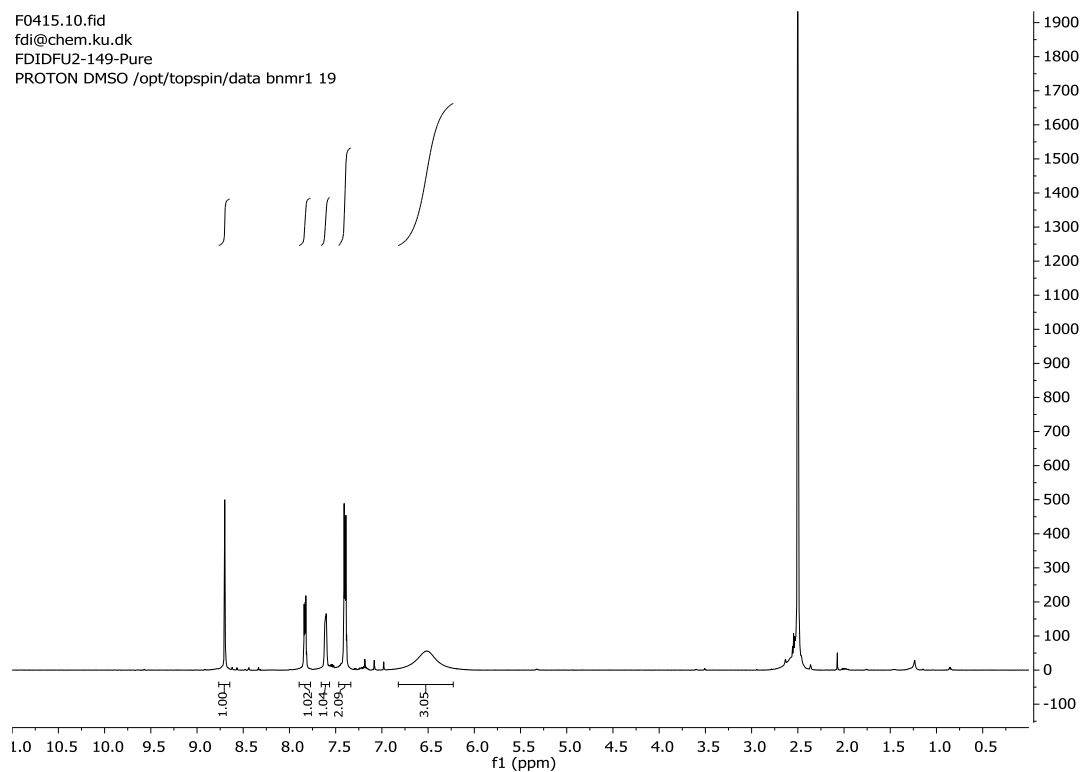
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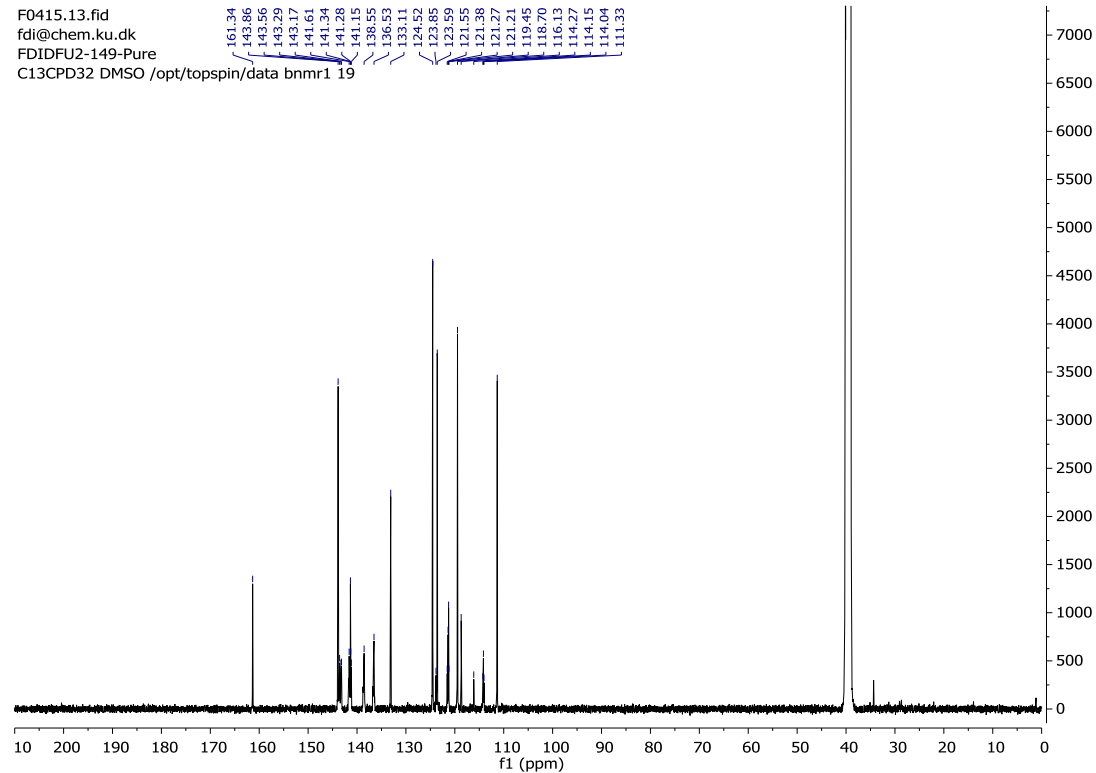


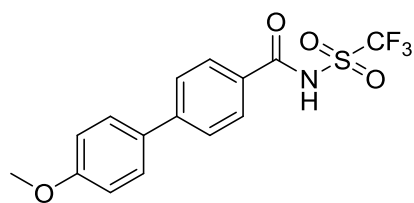
4-(1*H*-Benzo[d]imidazol-1-yl)-2,3,5,6-tetrafluoro-*N*-((trifluoromethyl)sulfonyl)benzamide (**14**).

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fdi@chem.ku.dk
FDIDFU2-149-Pure
PROTON DMSO /opt/topspin/data bnmr1 19



F0415.13.fid
fdi@chem.ku.dk
FDIDFU2-149-Pure
C13CPD32 DMSO /opt/topspin/data bnmr1 19





4'-Methoxy-*N*-((trifluoromethyl)sulfonyl)-[1,1'-biphenyl]-4-carboxamide
(15).

