

Supplementary Material

Synthesis, cytotoxicity and molecular docking study of novel acid amine coupling derivatives

Manisha Mummadi, Rambabu Bhukya, and J. Ramchander*

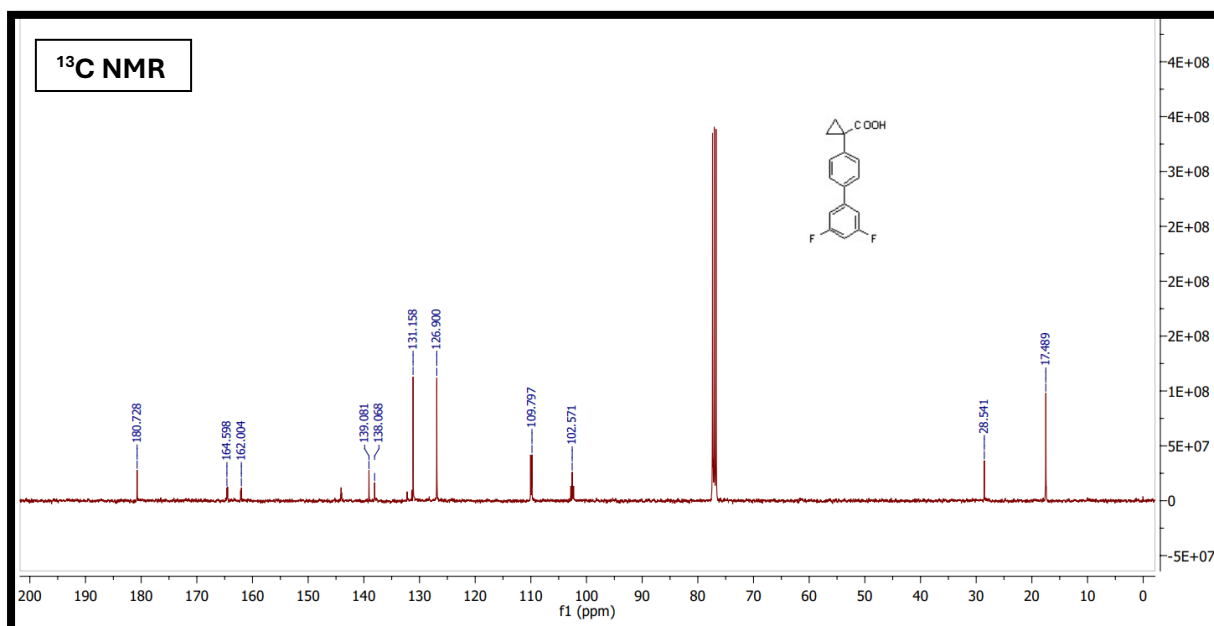
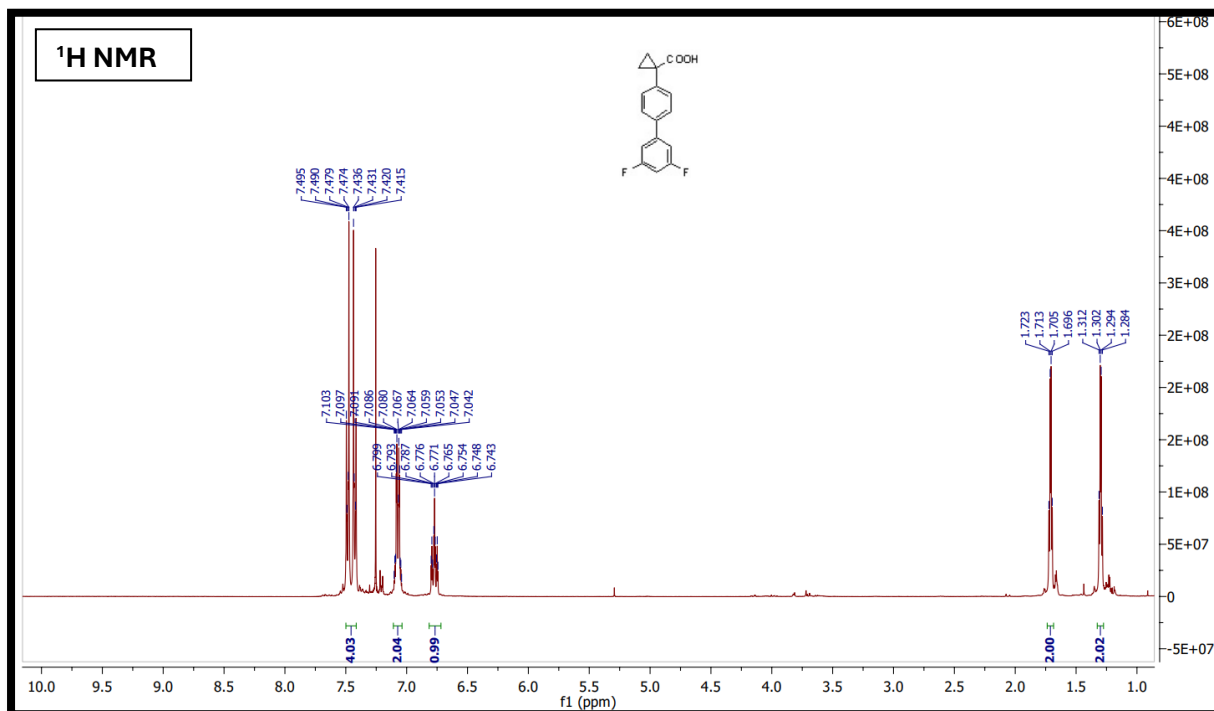
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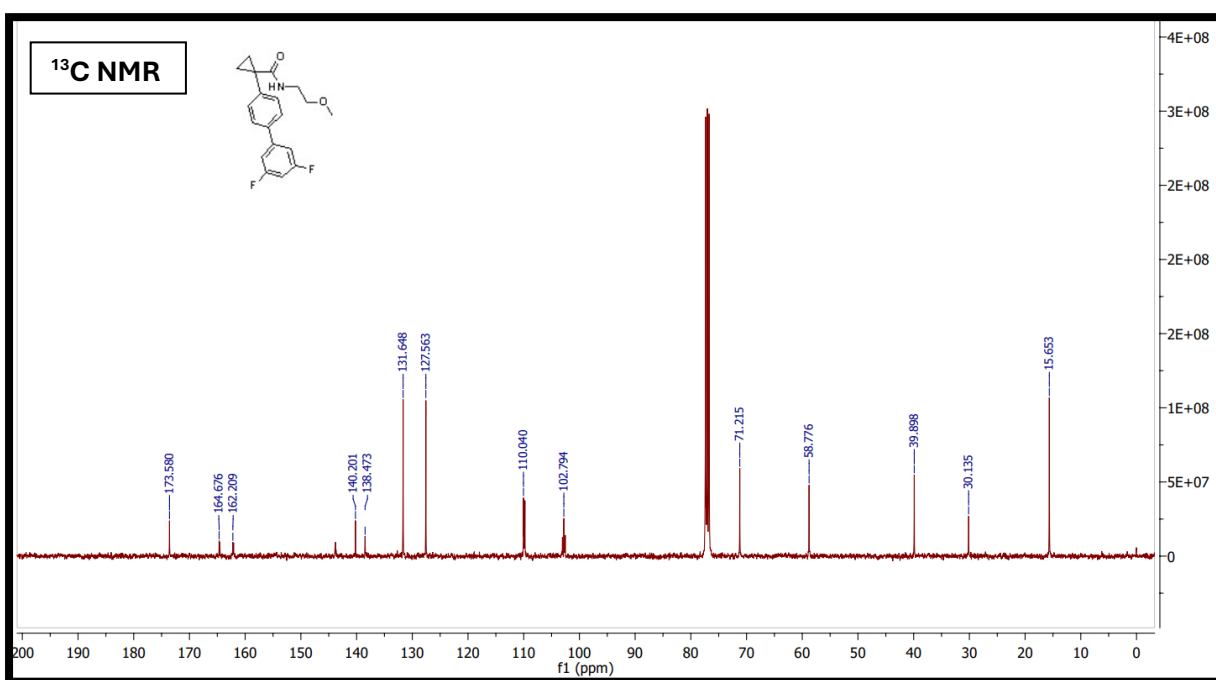
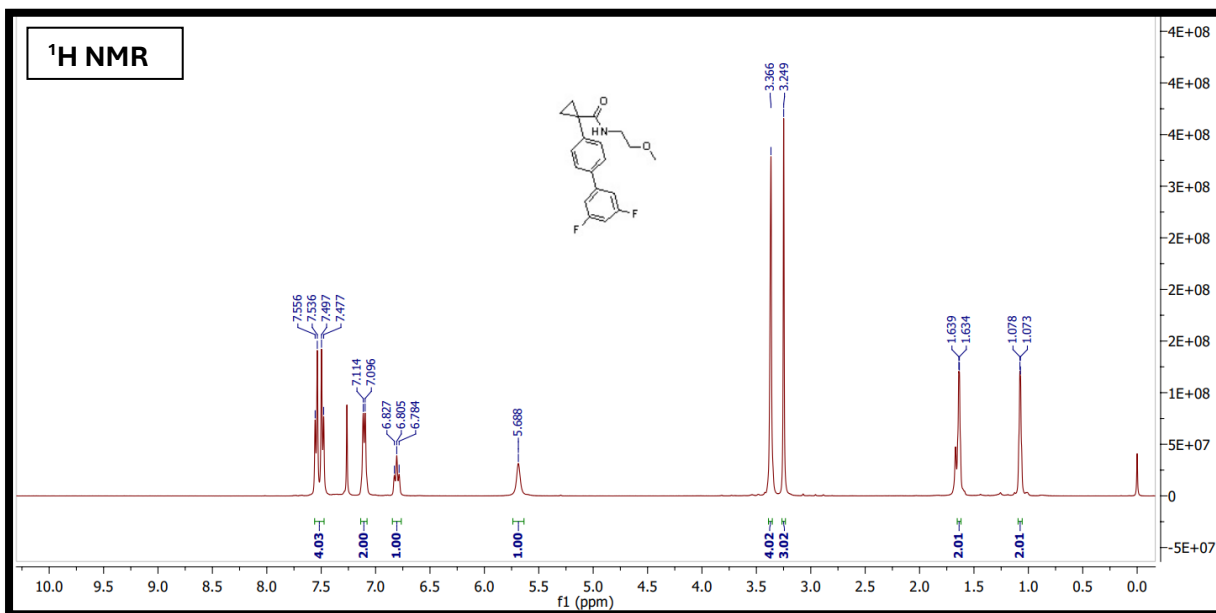
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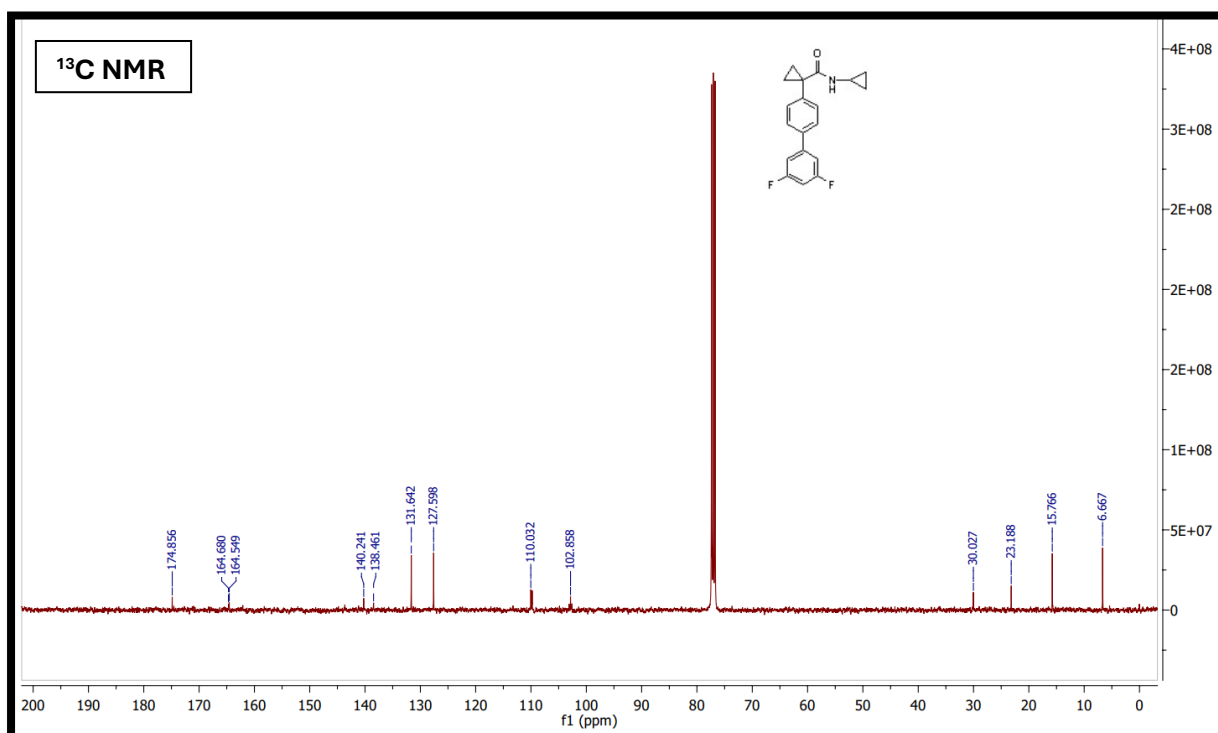
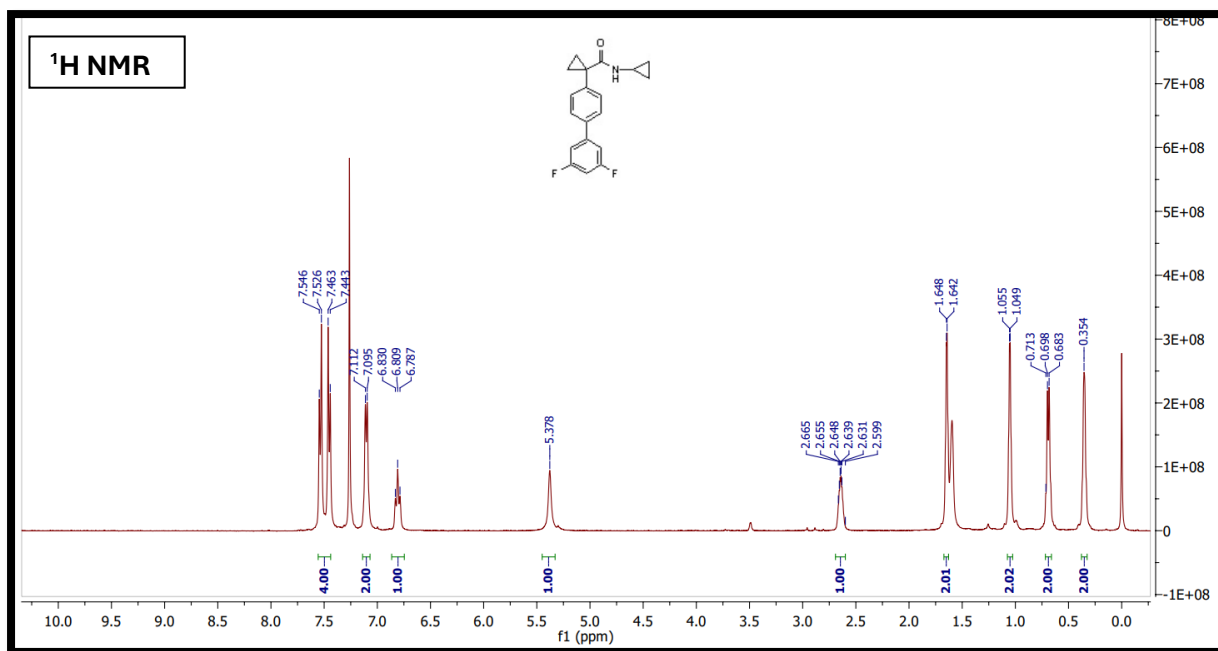
1-(3',5'-difluoro-[1,1'-biphenyl]-4-yl)cyclopropane1-carboxylic acid (6)



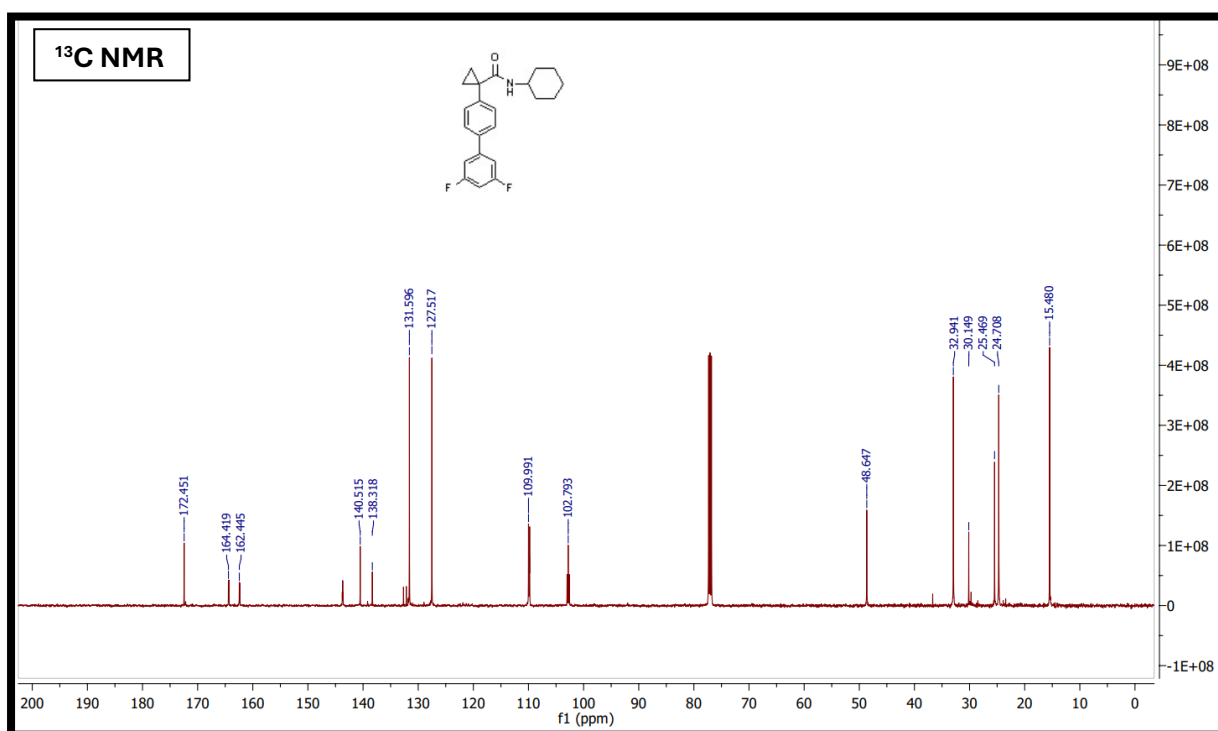
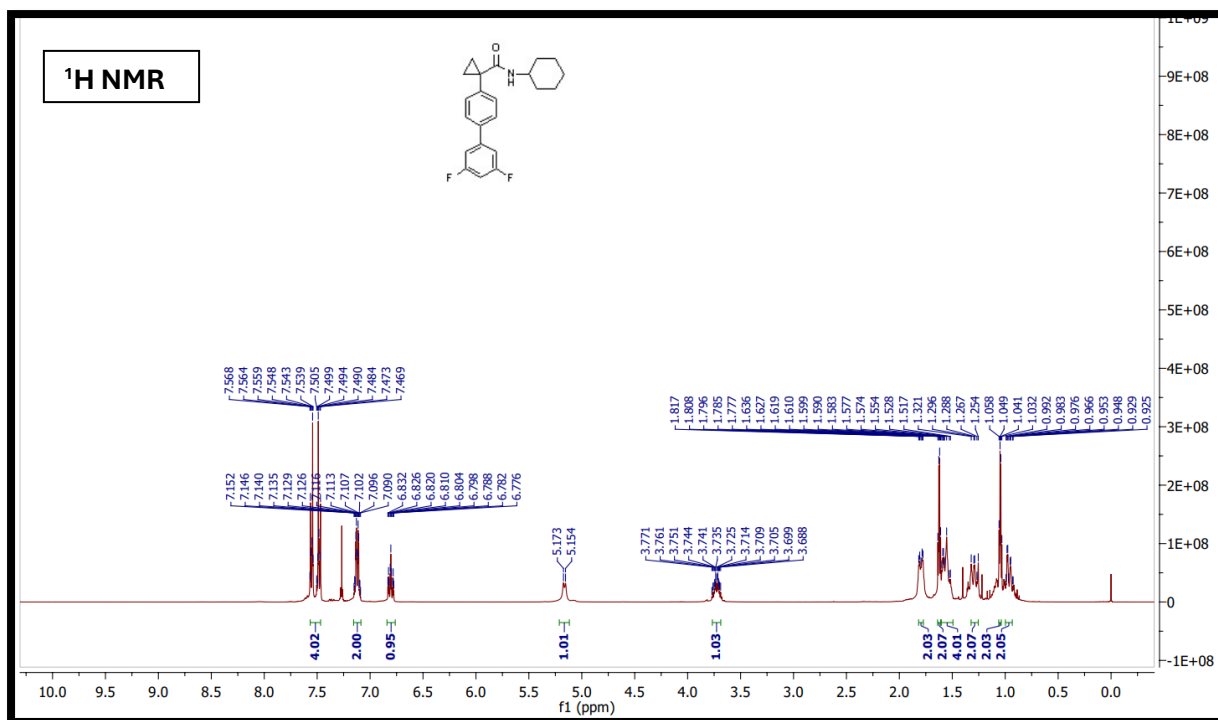
1-(3',5'-difluoro-[1,1'-biphenyl]-4-yl)-N-(2-methoxyethyl)cyclopropane-1-carboxamide (8a)



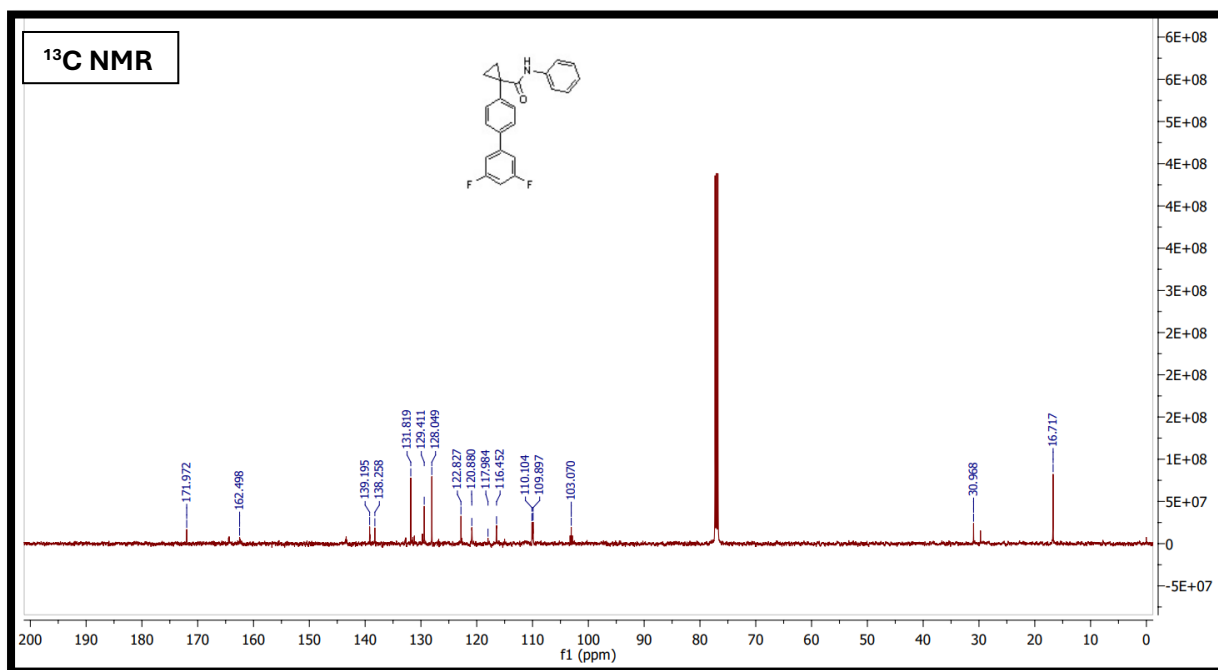
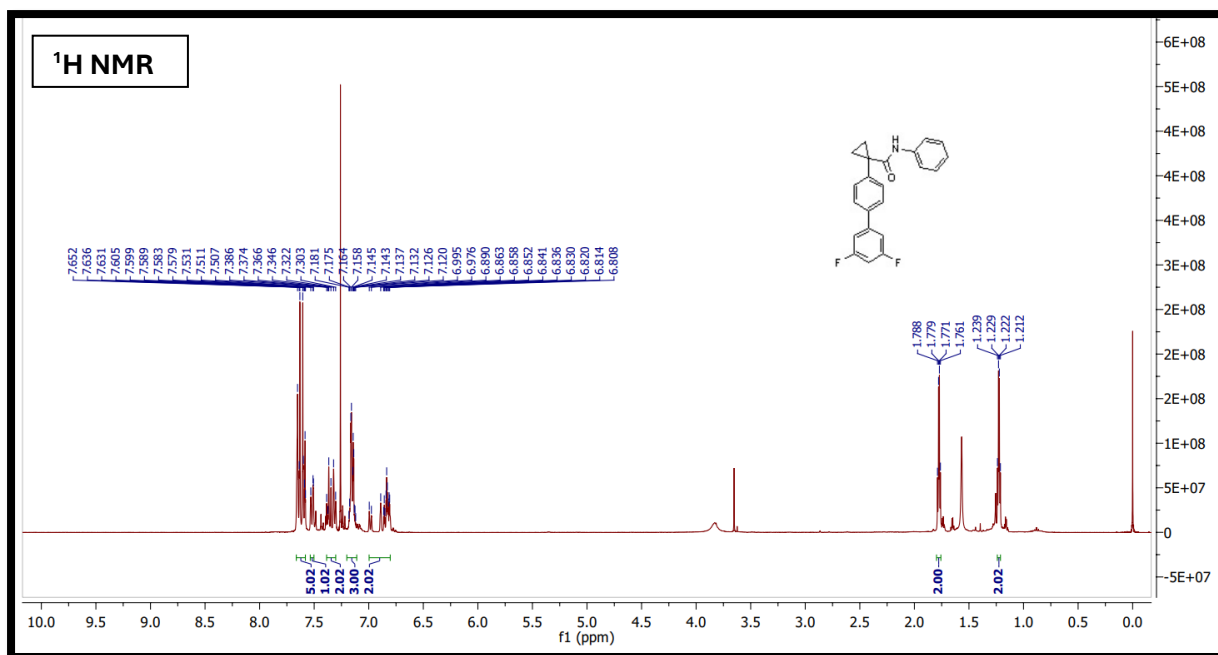
N-cyclopropyl-1-(3',5'-difluoro-[1,1'-biphenyl]-4-yl)cyclopropane-1-carboxamide (8b)



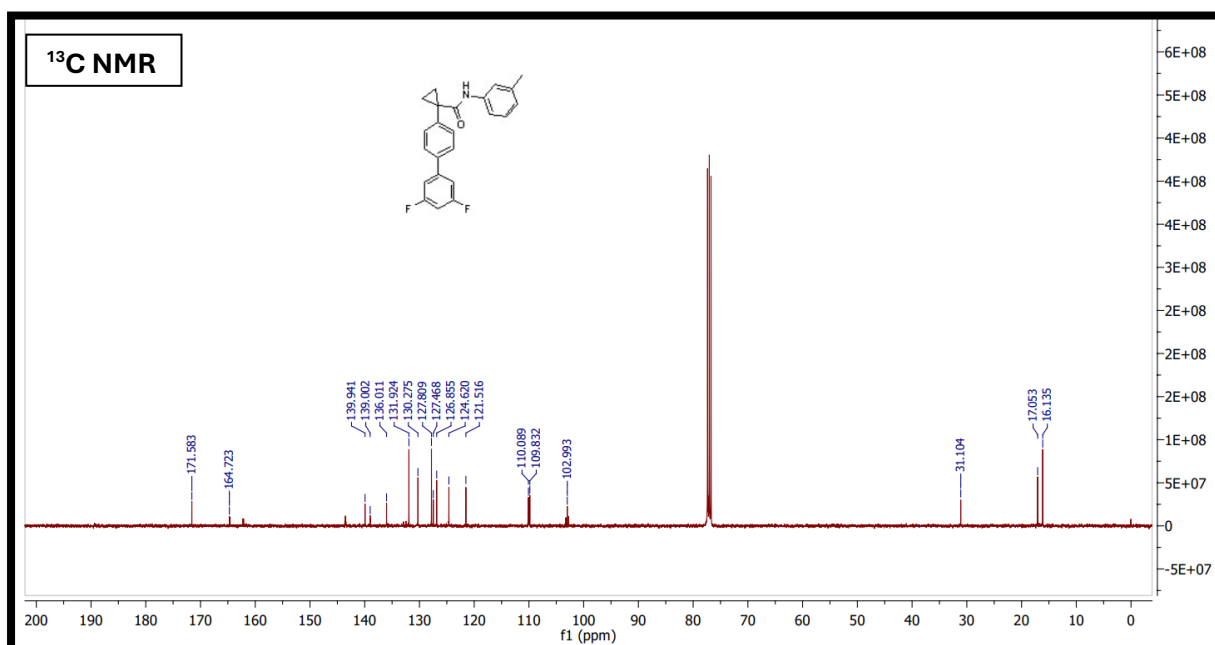
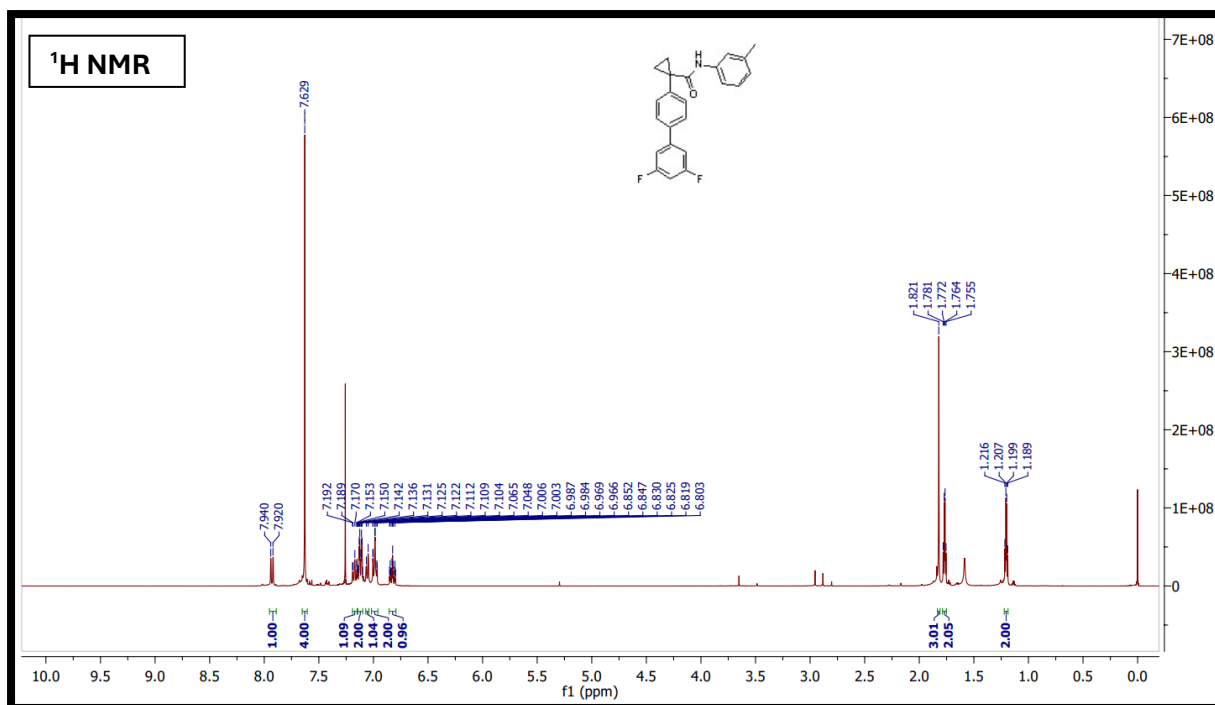
N-cyclohexyl-1-(3',5'-difluoro-[1,1'-biphenyl]-4-yl)cyclopropane-1-carboxamide (8c)



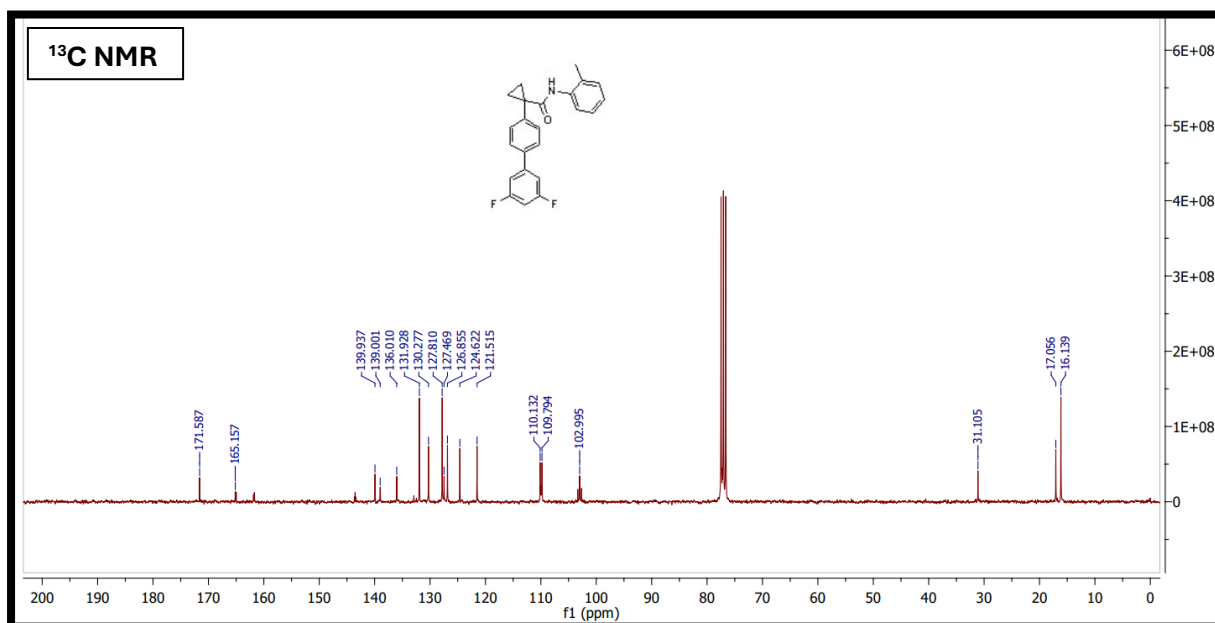
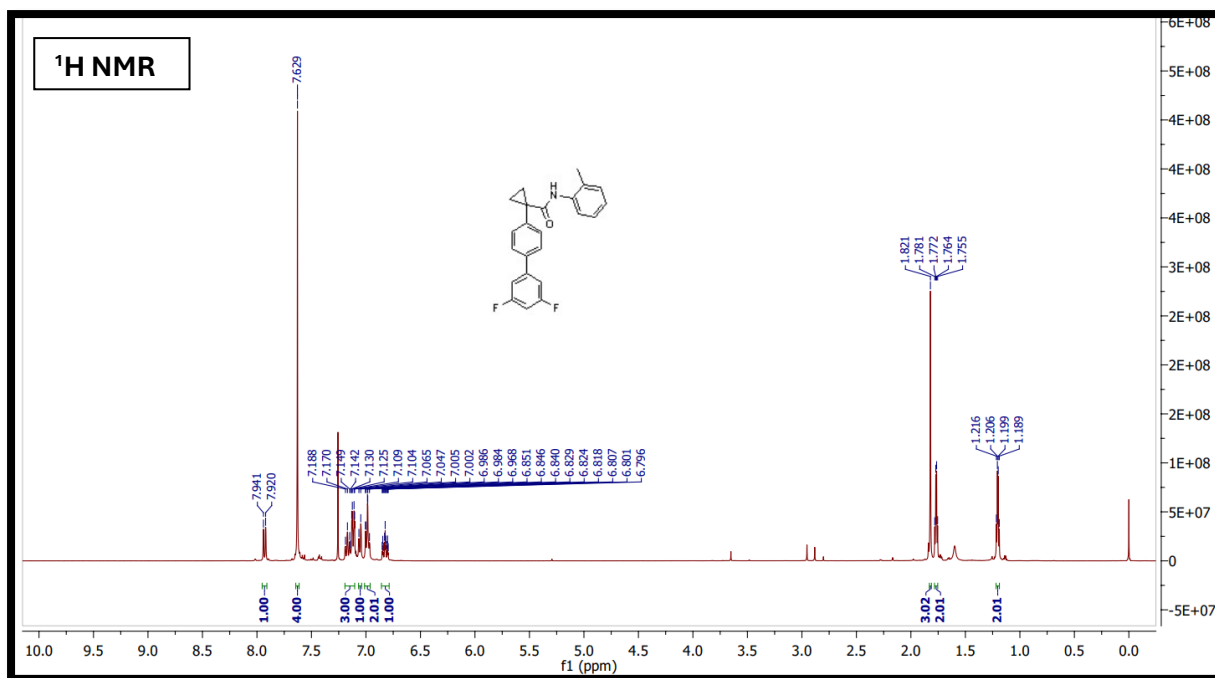
1-(3',5'-difluoro-[1,1'-biphenyl]-4-yl)-N-phenylcyclopropane-1-carboxamide (8d)



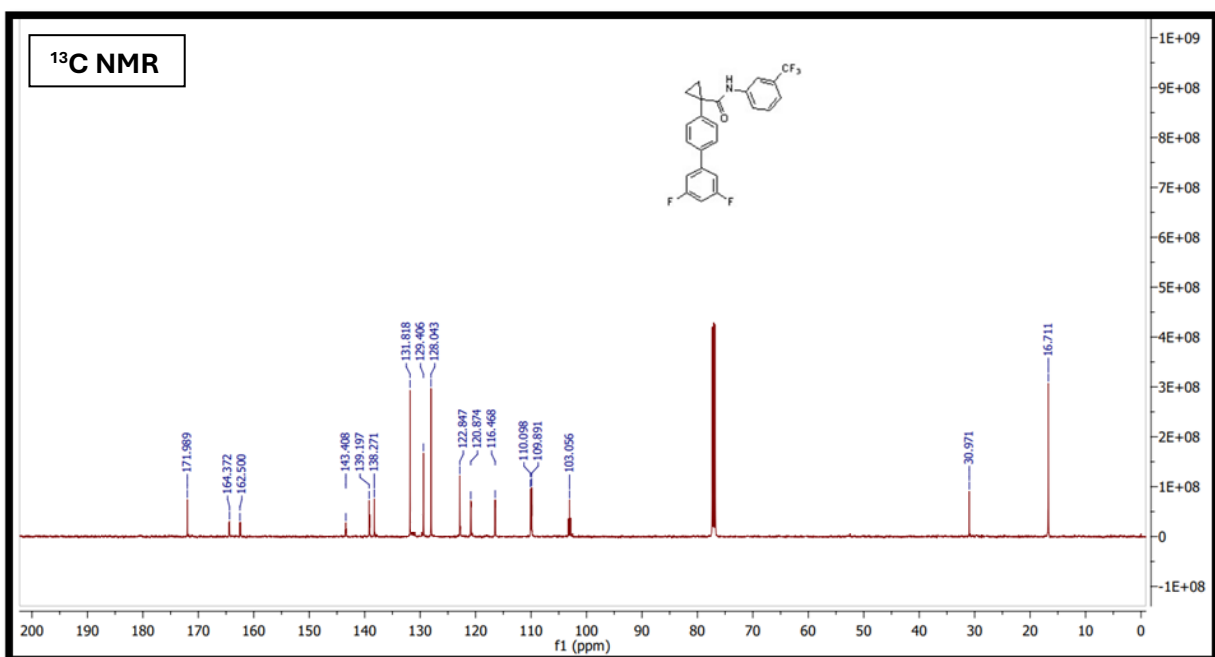
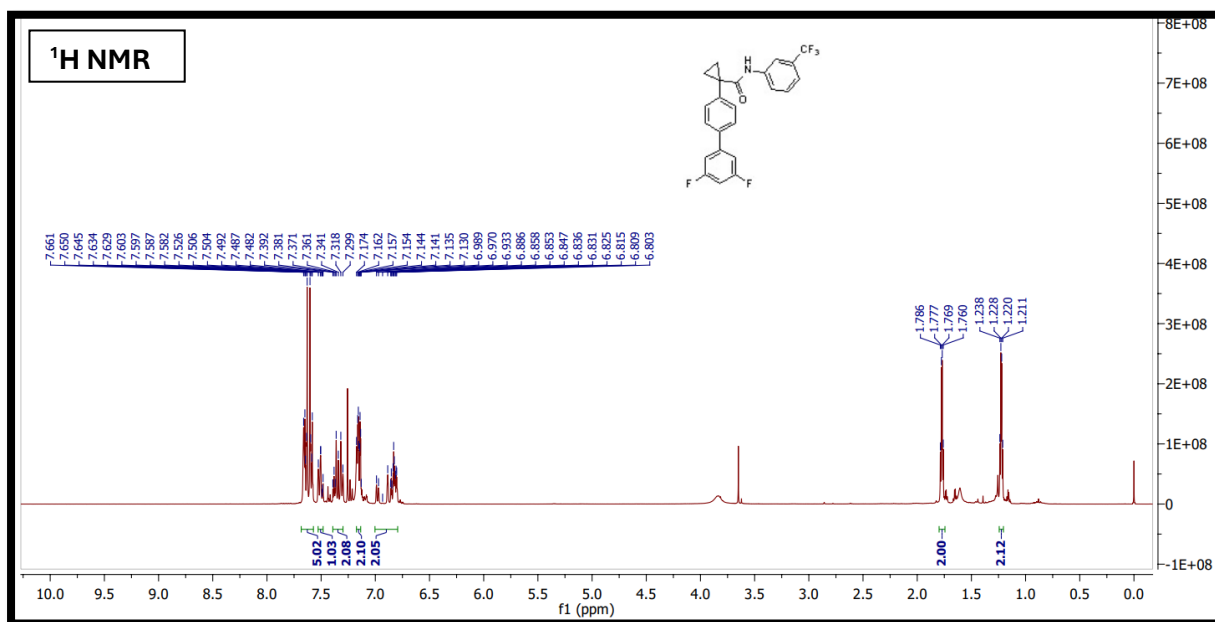
1-(3',5'-difluoro-[1,1'-biphenyl]-4-yl)-N-(m-tolyl)cyclopropane-1-carboxamide (8e)



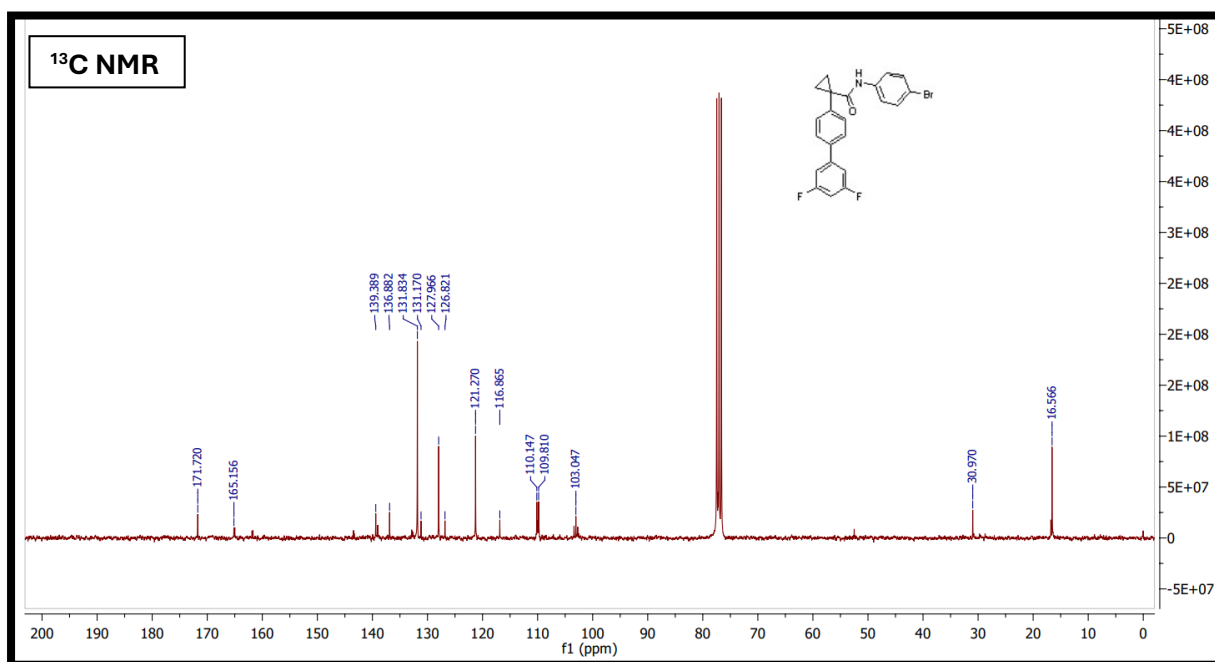
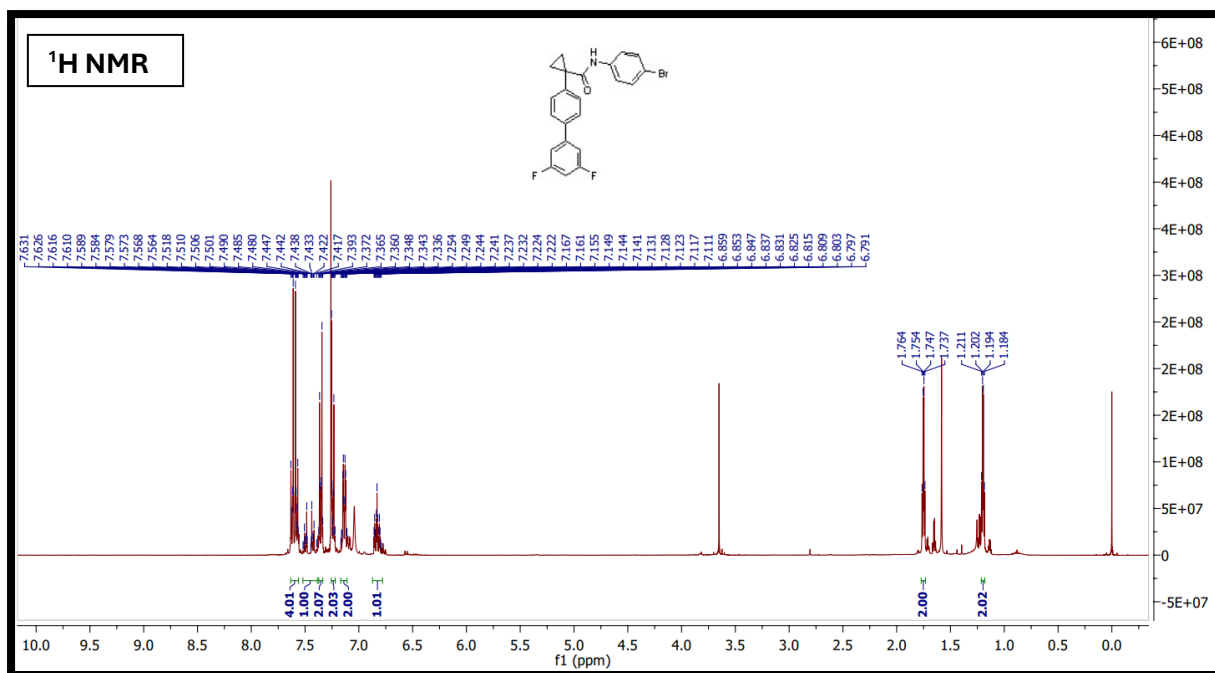
1-(3',5'-difluoro-[1,1'-biphenyl]-4-yl)-N-(o-tolyl)cyclopropane-1-carboxamide (8f)

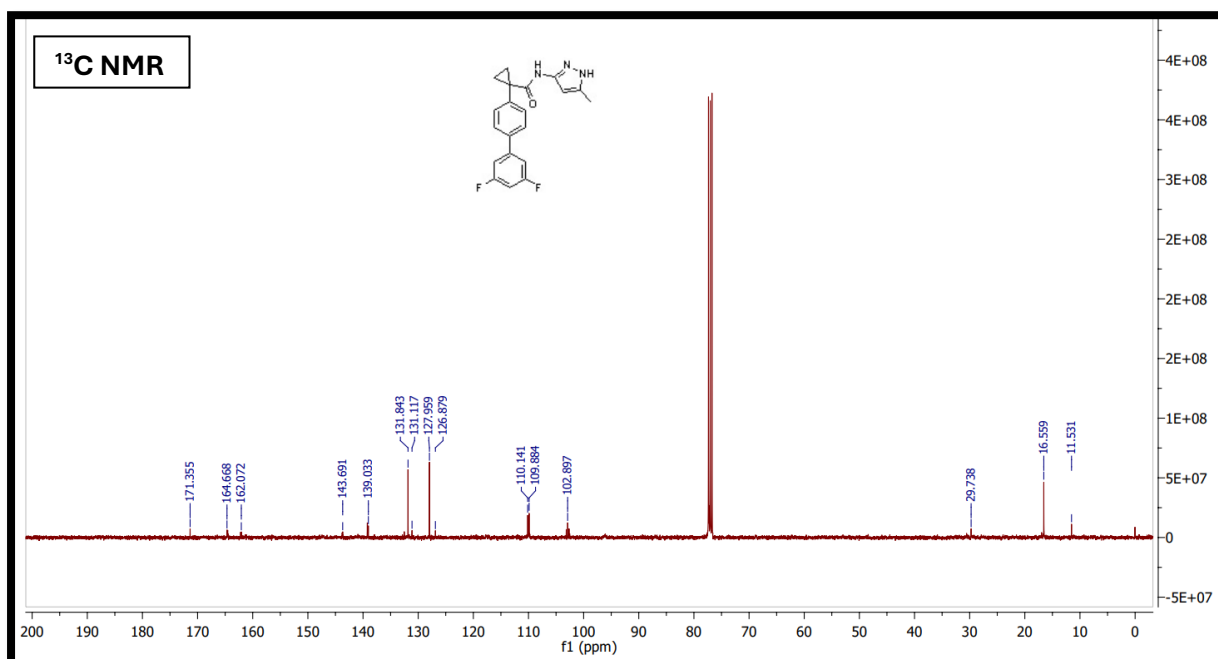
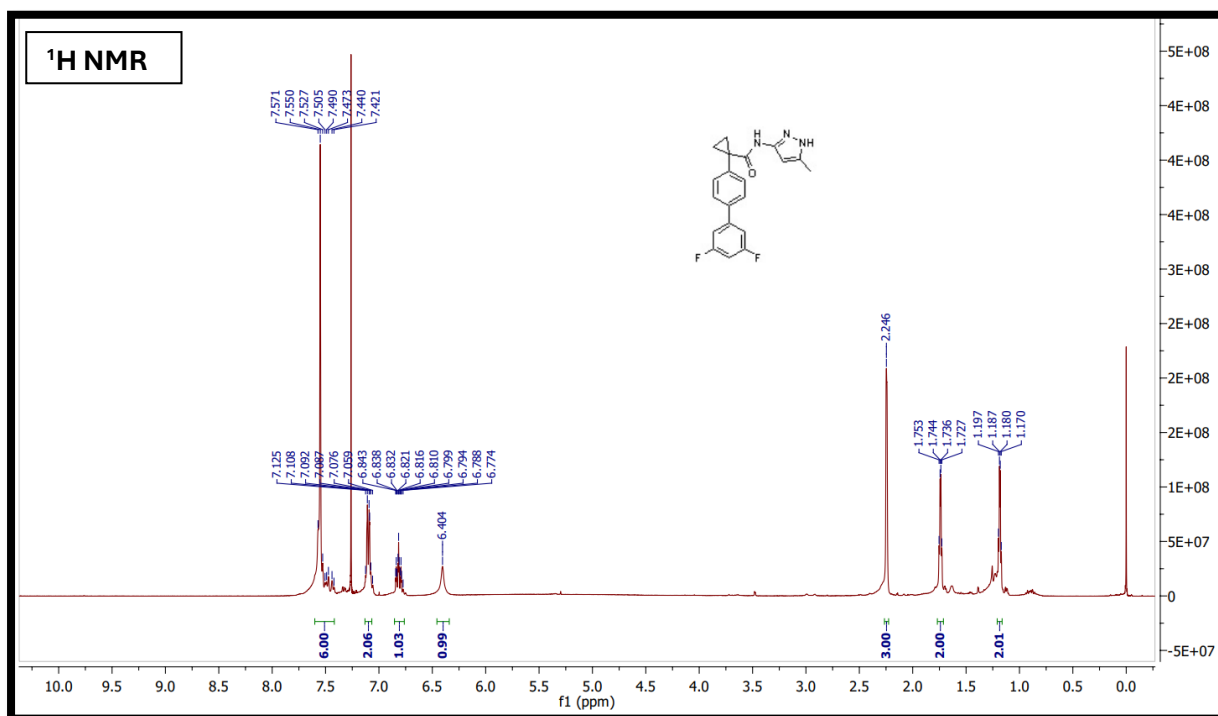


1-(3',5'-difluoro-[1,1'-biphenyl]-4-yl)-N-(3-(trifluoromethyl)phenyl)cyclopropane-1-carboxamide (8g)

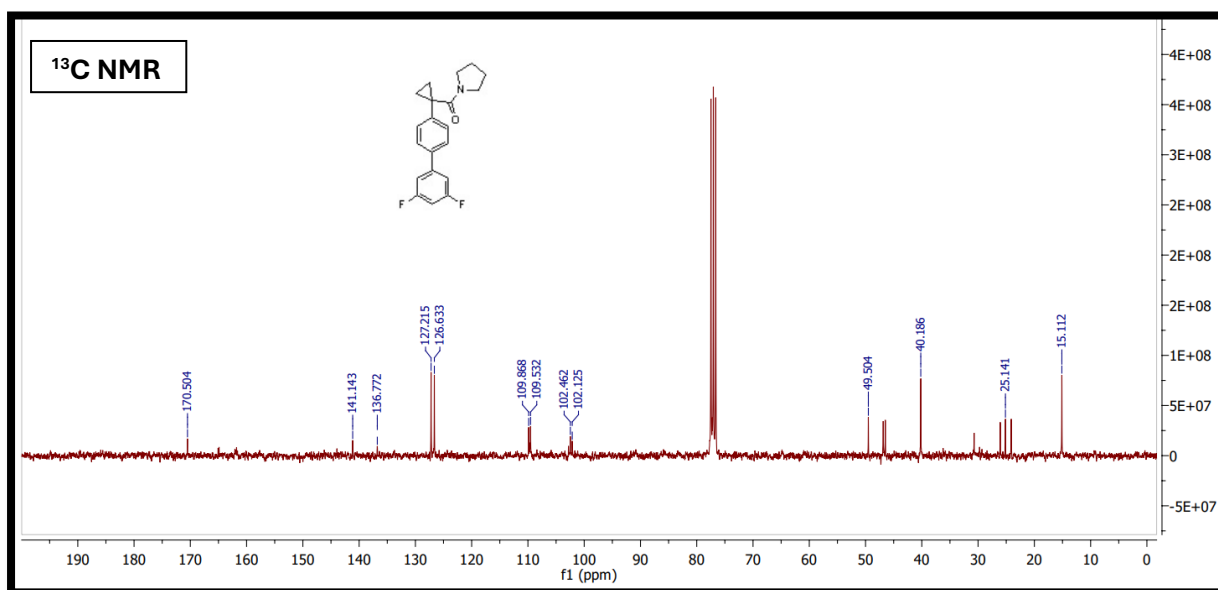
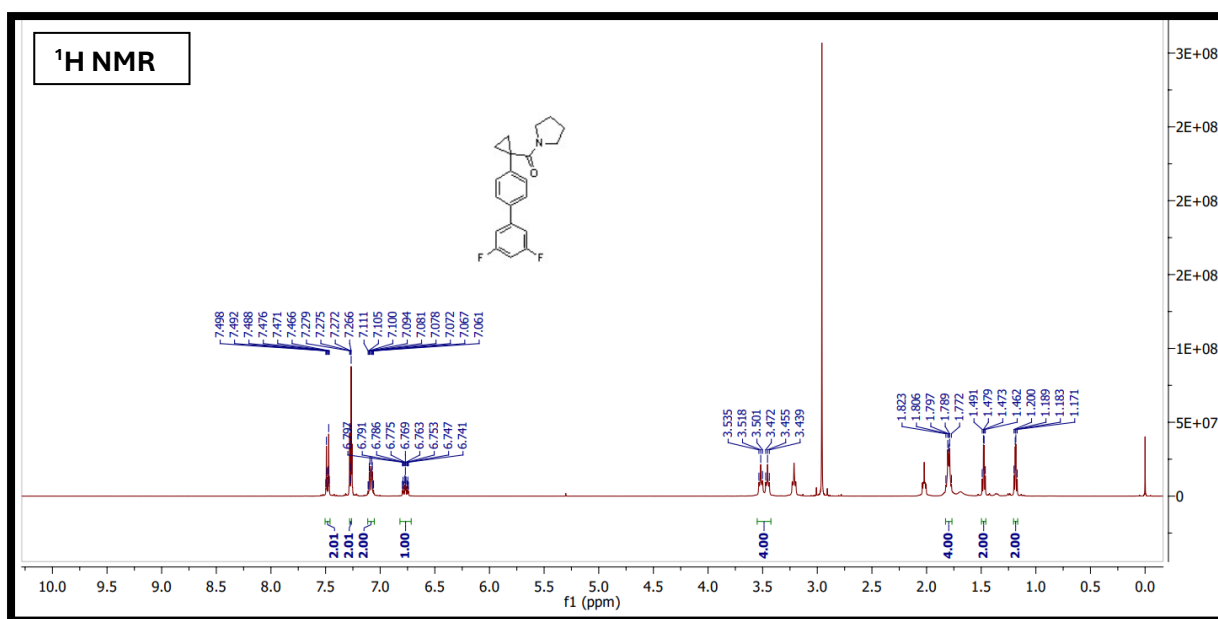


N-(4-bromophenyl)-1-(3',5'-difluoro-[1,1'-biphenyl]-4-yl)cyclopropane-1-carboxamide (8h)

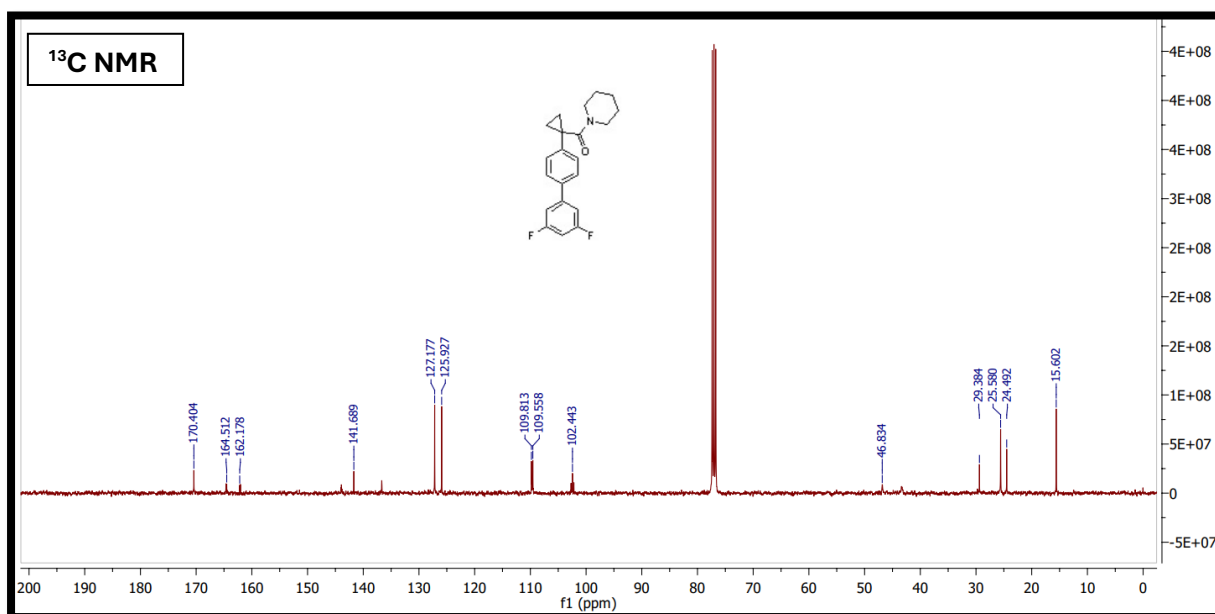
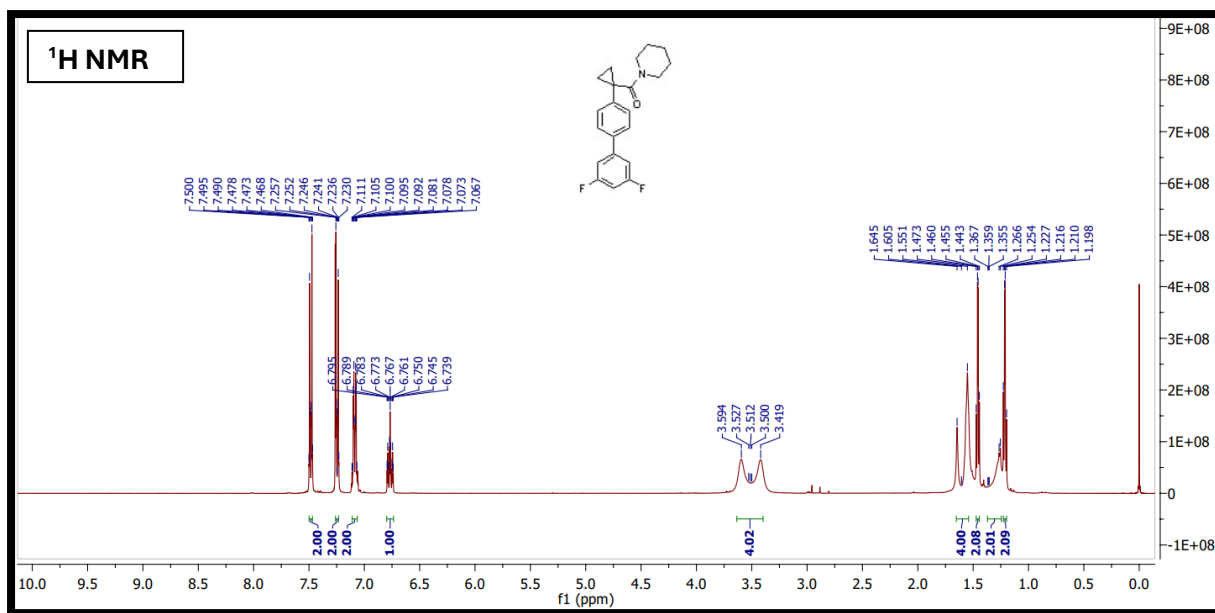


1-(3,5'-difluoro-[1,1'-biphenyl]-4-yl)-N-(5-methyl-1H-pyrazol-3-yl)cyclopropane-1-carboxamide (8i)

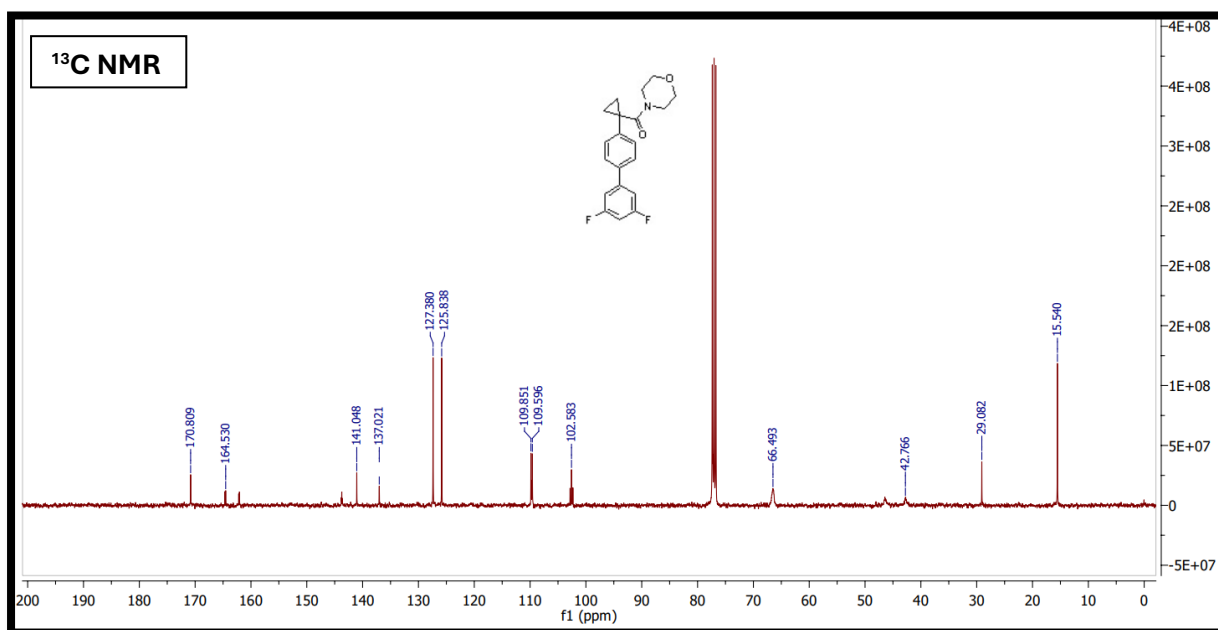
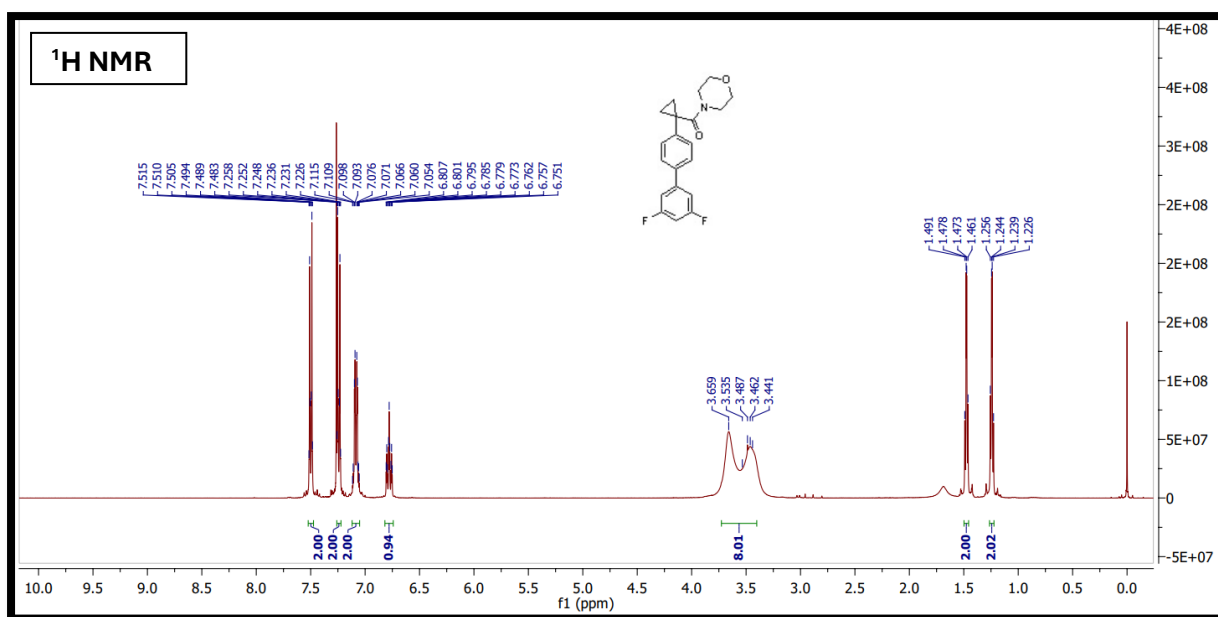
(1-(3',5'-difluoro-[1,1'-biphenyl]-4-yl)cyclopropyl)(pyrrolidin-1-yl)methanone (8j)

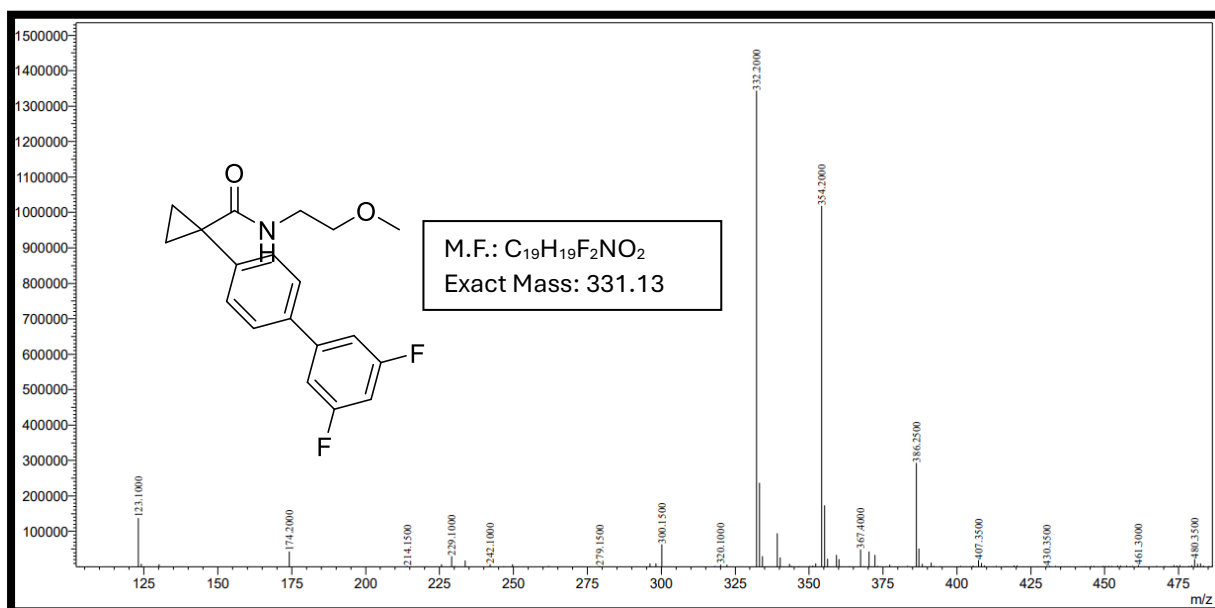
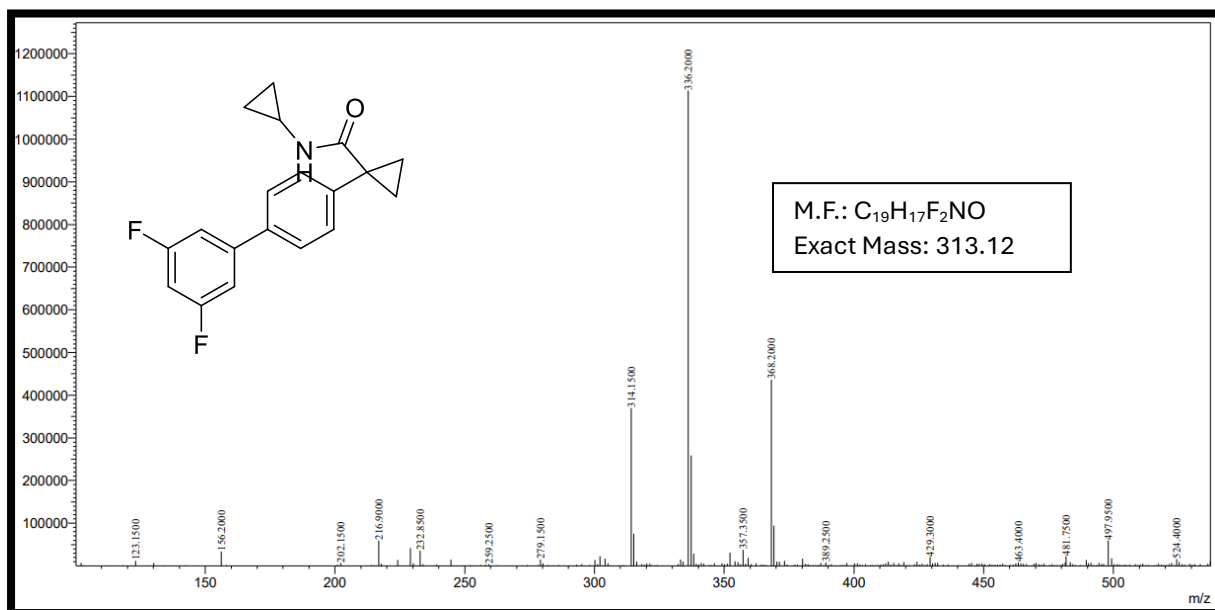


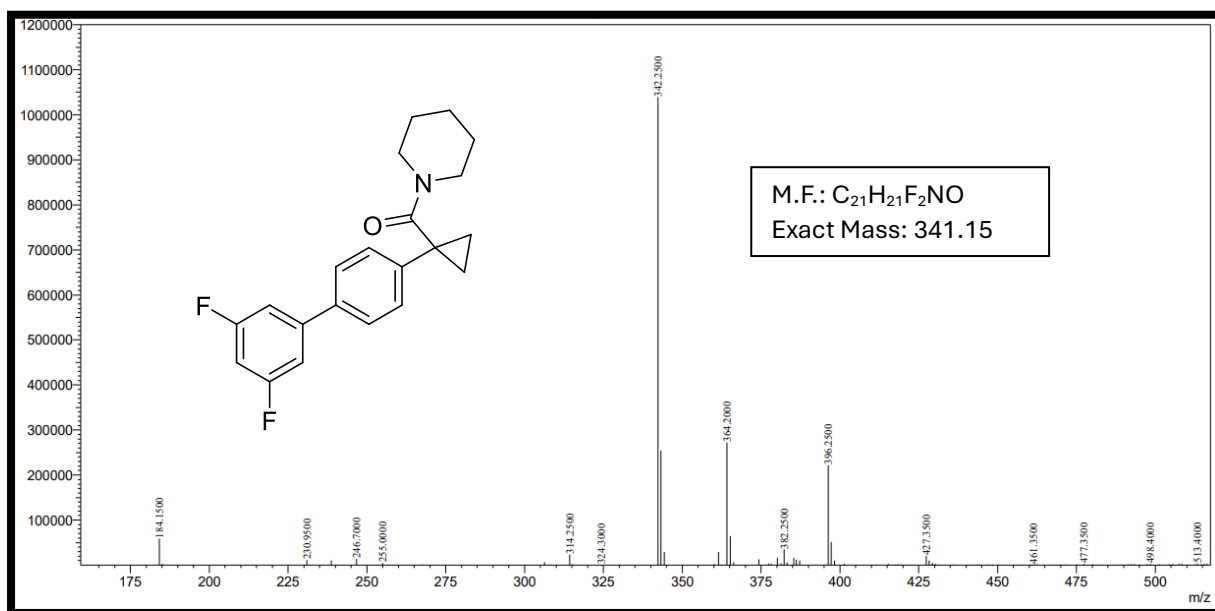
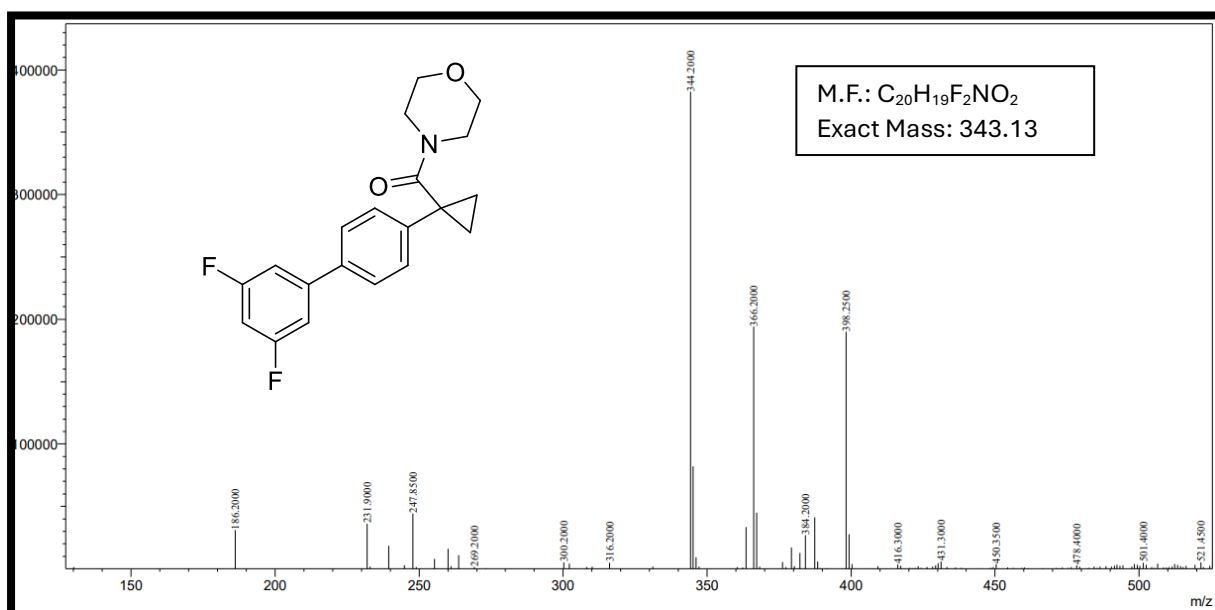
(1-(3',5'-difluoro-[1,1'-biphenyl]-4-yl)cyclopropyl)(piperidin-1-yl)methanone (8k)

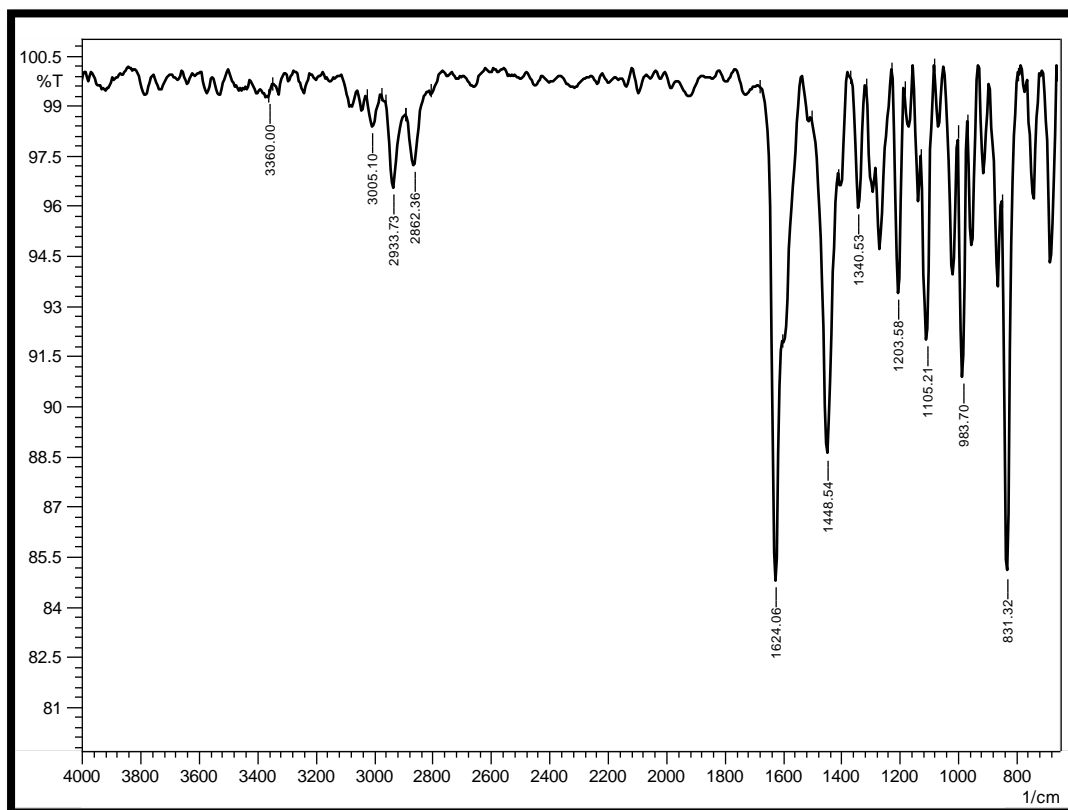
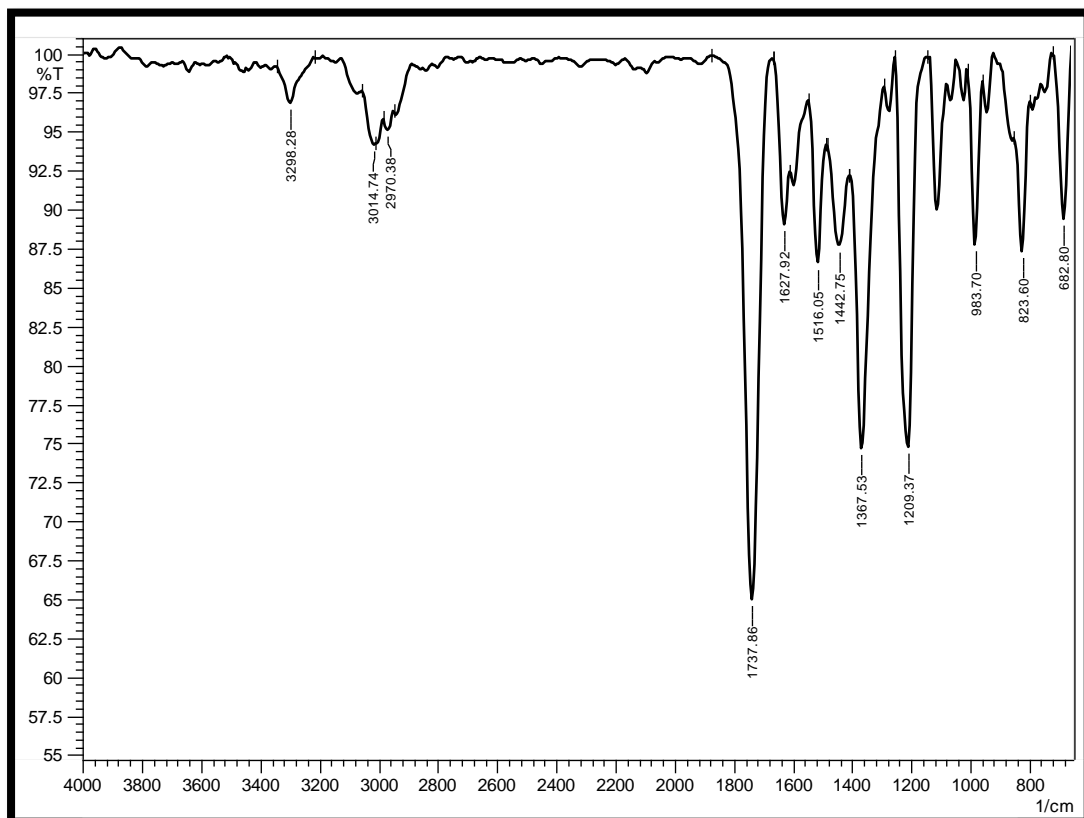


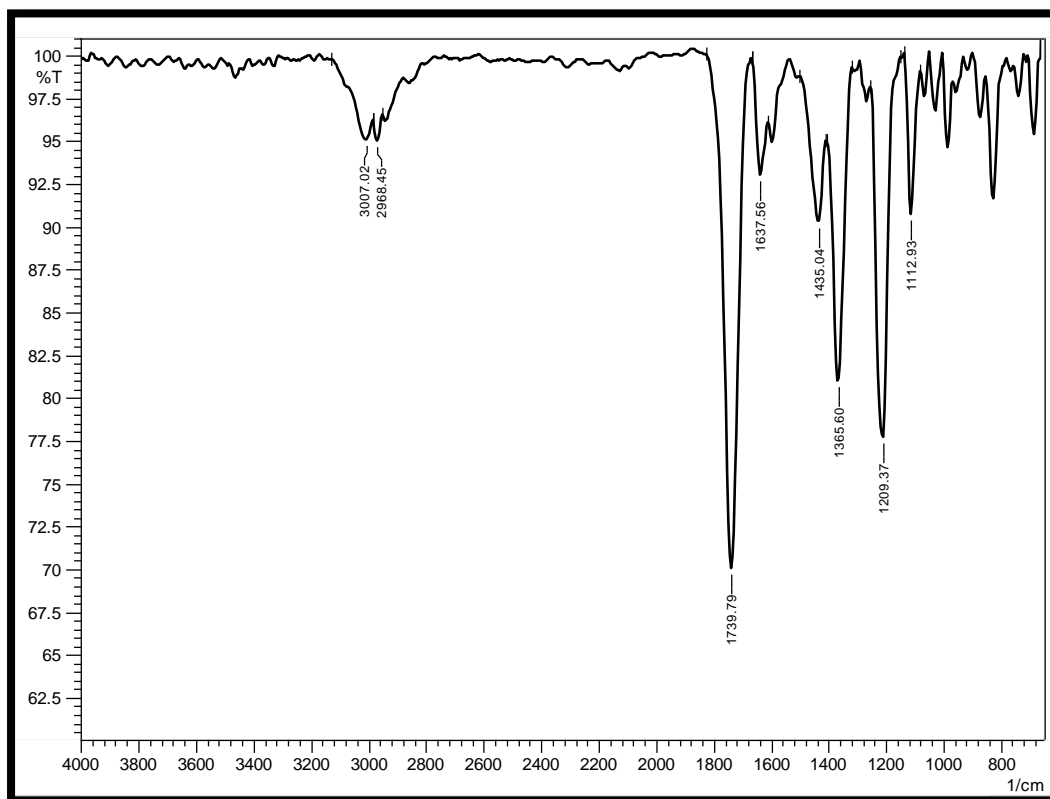
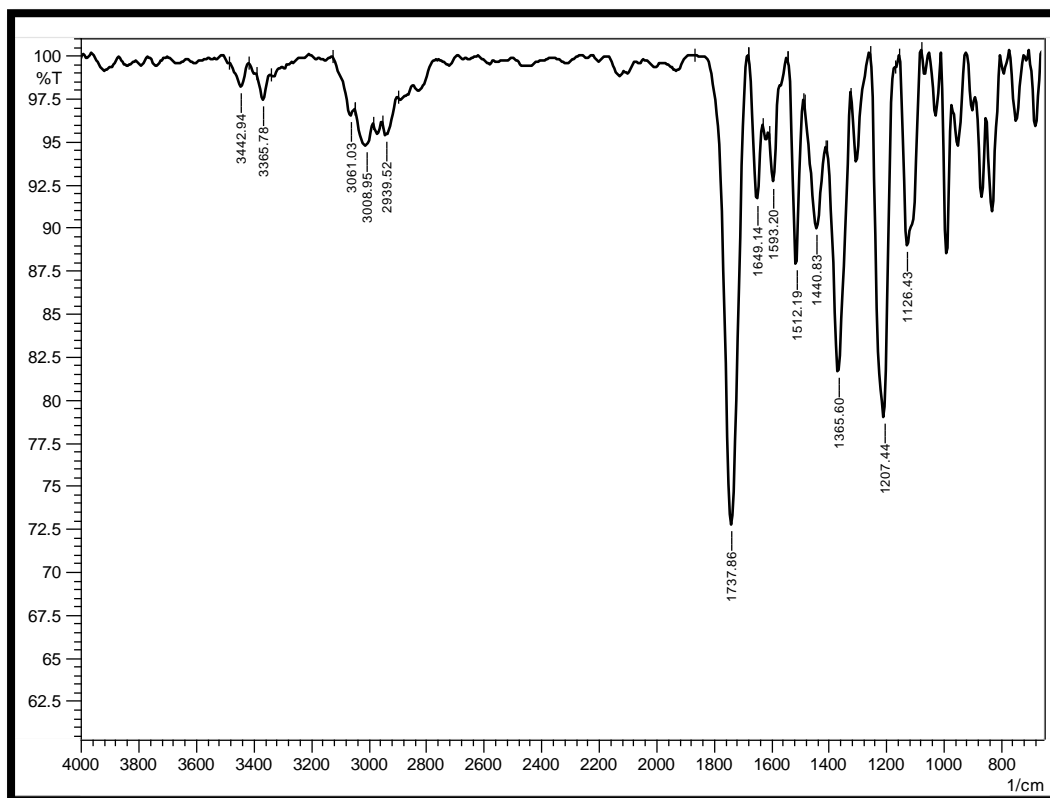
(1-(3',5'-difluoro-[1,1'-biphenyl]-4-yl)cyclopropyl)(morpholino)methanone (8l)



Mass spectrum of 1-(3',5'-difluoro-[1,1'-biphenyl]-4-yl)-N-(2-methoxyethyl)cyclopropane-1-carboxamide (8a)**Mass spectrum of N-cyclopropyl-1-(3',5'-difluoro-[1,1'-biphenyl]-4-yl)cyclopropane-1-carboxamide (8b)**

Mass spectrum of (1-(3',5'-difluoro-[1,1'-biphenyl]-4-yl)cyclopropyl)(piperidin-1-yl)methanone (8k)**Mass spectrum of (1-(3',5'-difluoro-[1,1'-biphenyl]-4-yl)cyclopropyl)(morpholino)methanone (8l)**

IR spectrum of 1-(3',5'-difluoro-[1,1'-biphenyl]-4-yl)-N-(2-methoxyethyl)cyclopropane-1-carboxamide (8a)**IR spectrum of N-cyclopropyl-1-(3',5'-difluoro-[1,1'-biphenyl]-4-yl)cyclopropane-1-carboxamide (8b)**

IR spectrum of N-cyclohexyl-1-(3',5'-difluoro-[1,1'-biphenyl]-4-yl)cyclopropane-1-carboxamide (8c)**IR spectrum of 1-(3',5'-difluoro-[1,1'-biphenyl]-4-yl)-N-phenylcyclopropane-1-carboxamide (8d)**

IR spectrum of 1-(3',5'-difluoro-[1,1'-biphenyl]-4-yl)-N-(m-tolyl)cyclopropane-1-carboxamide (8e)