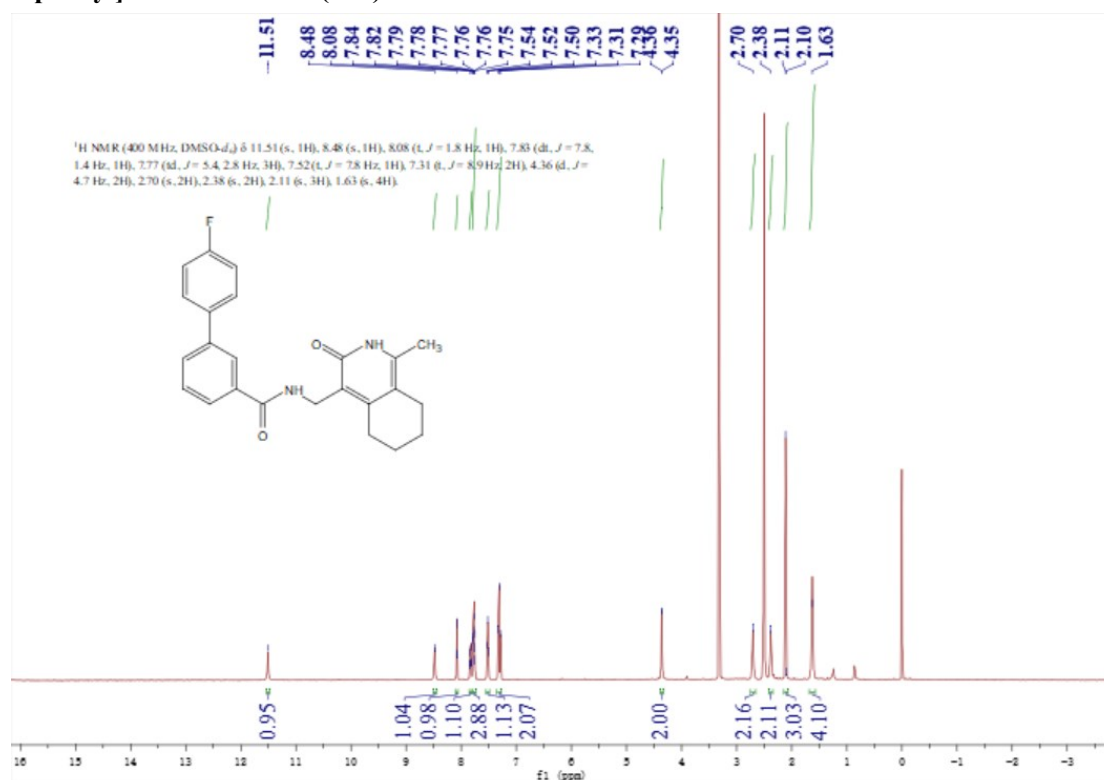


Discovery of Pyridine ketone derivatives as antimycobacterial agents

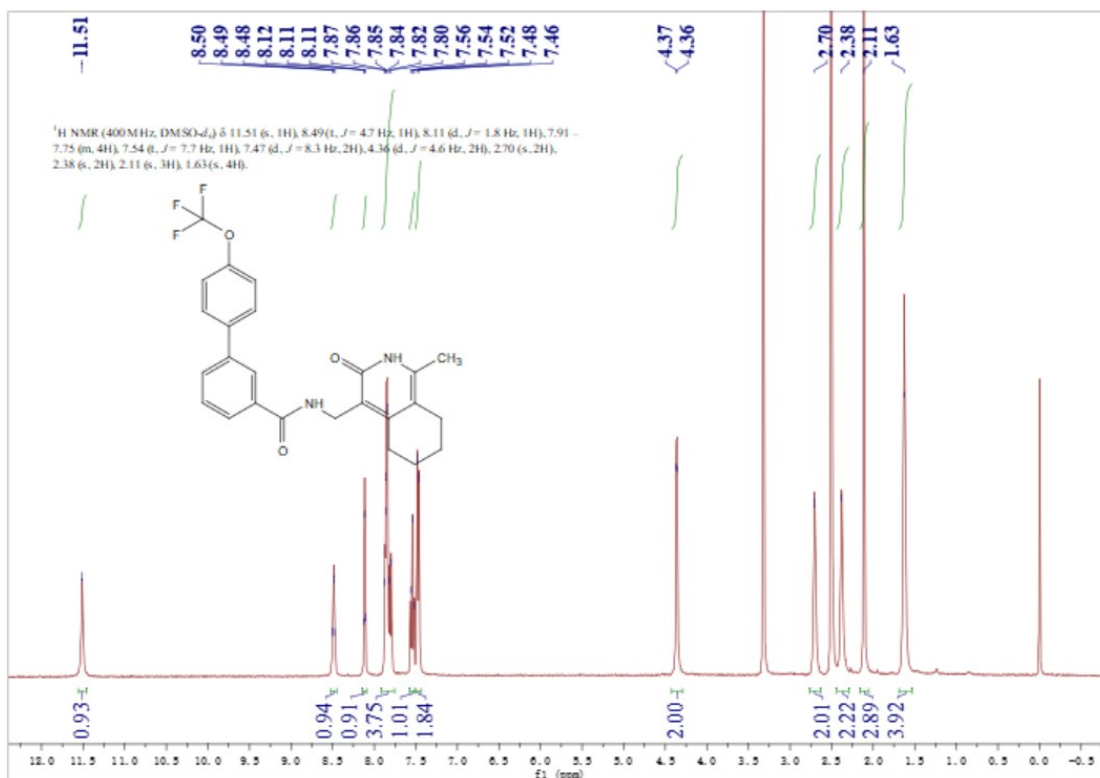
Supplementary Material:

¹H NMR and ¹³C NMR spectrums of compounds

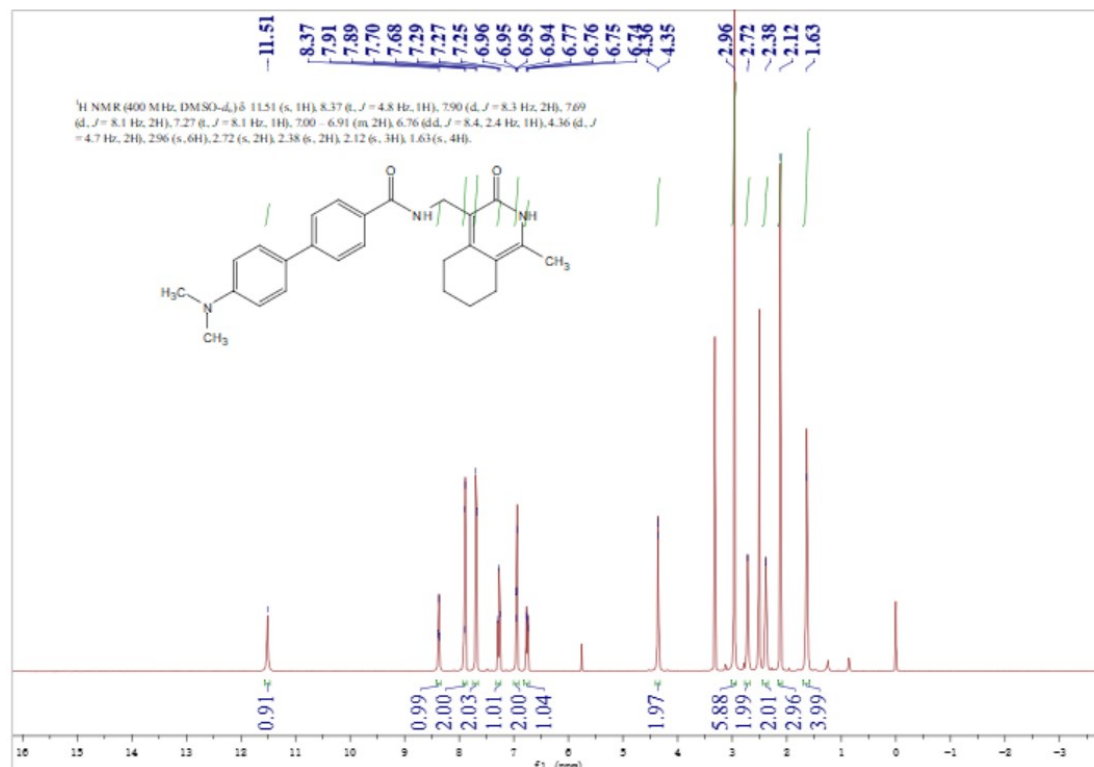
¹H NMR of 4'-fluoro-*N*-((1-methyl-3-oxo-2,3,5,6,7,8-hexahydroisoquinolin-4-yl)methyl)-[1,1'-biphenyl]-4-carboxamide (6b1)



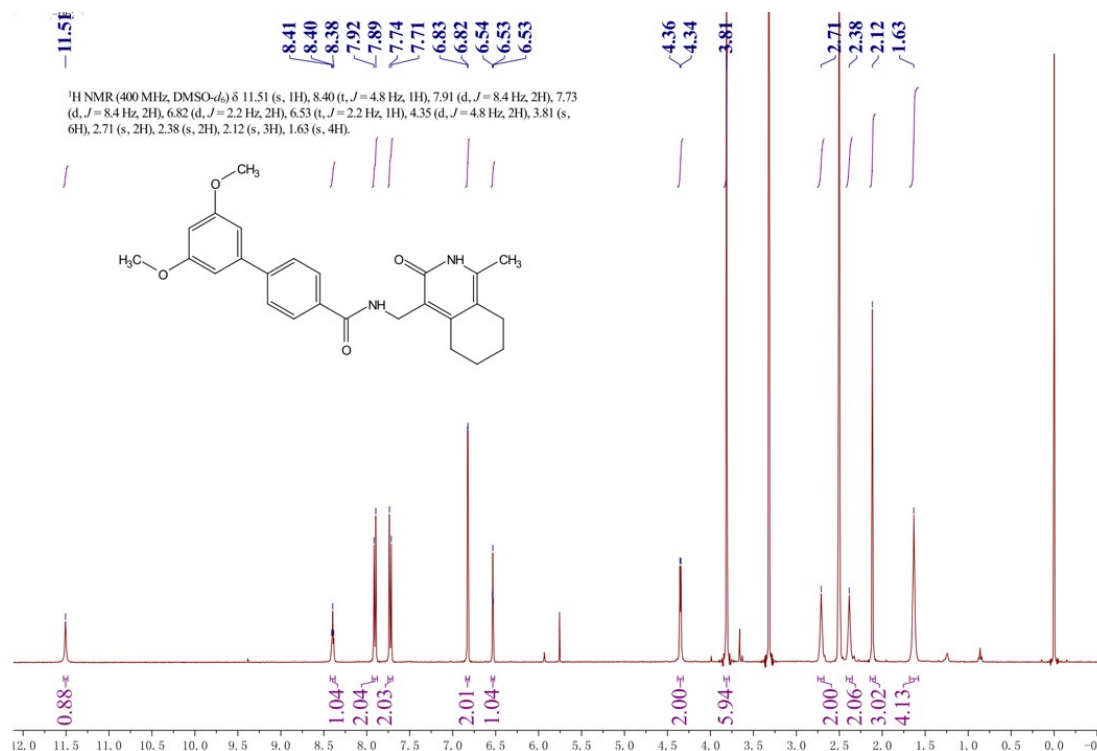
¹H NMR of *N*-((1-methyl-3-oxo-2,3,5,6,7,8-hexahydroisoquinolin-4-yl)methyl)-4'-(trifluoromethoxy)-[1,1'-biphenyl]-4-carboxamide (6b2)



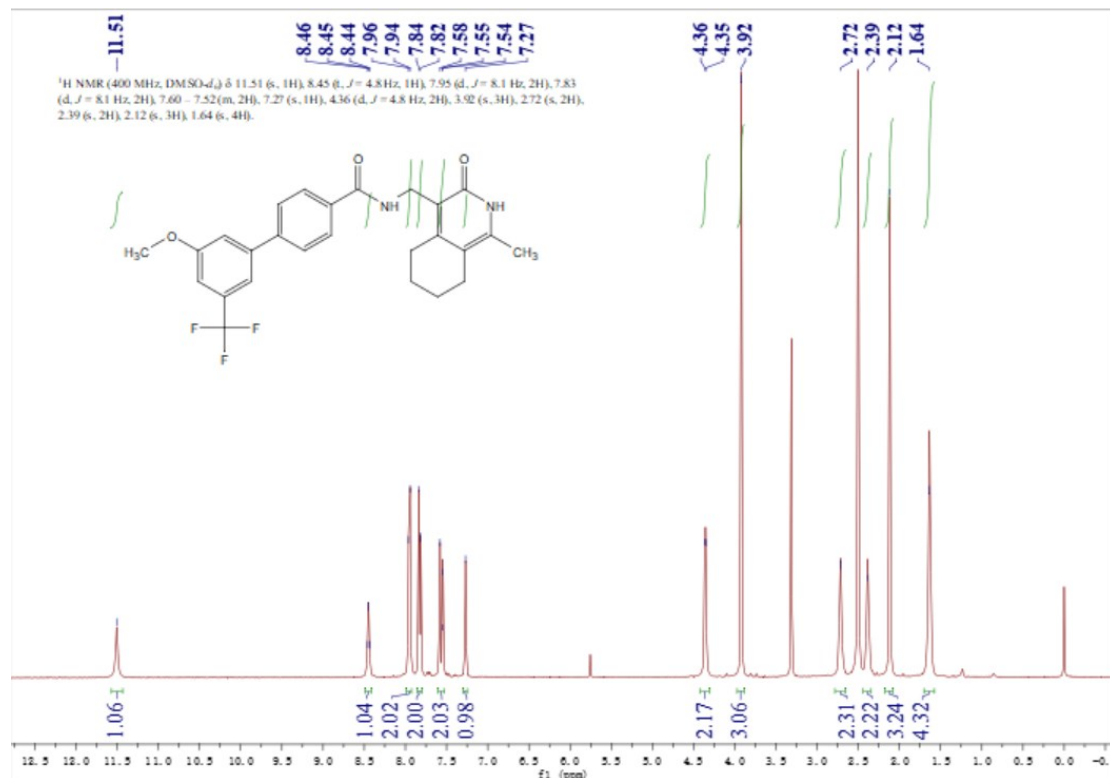
¹H NMR of 4'-(dimethylamino)-*N*-((1-methyl-3-oxo-2,3,5,6,7,8-hexahydroisoquinolin-4-yl)methyl)-[1,1'-biphenyl]-4-carboxamide (6b3)



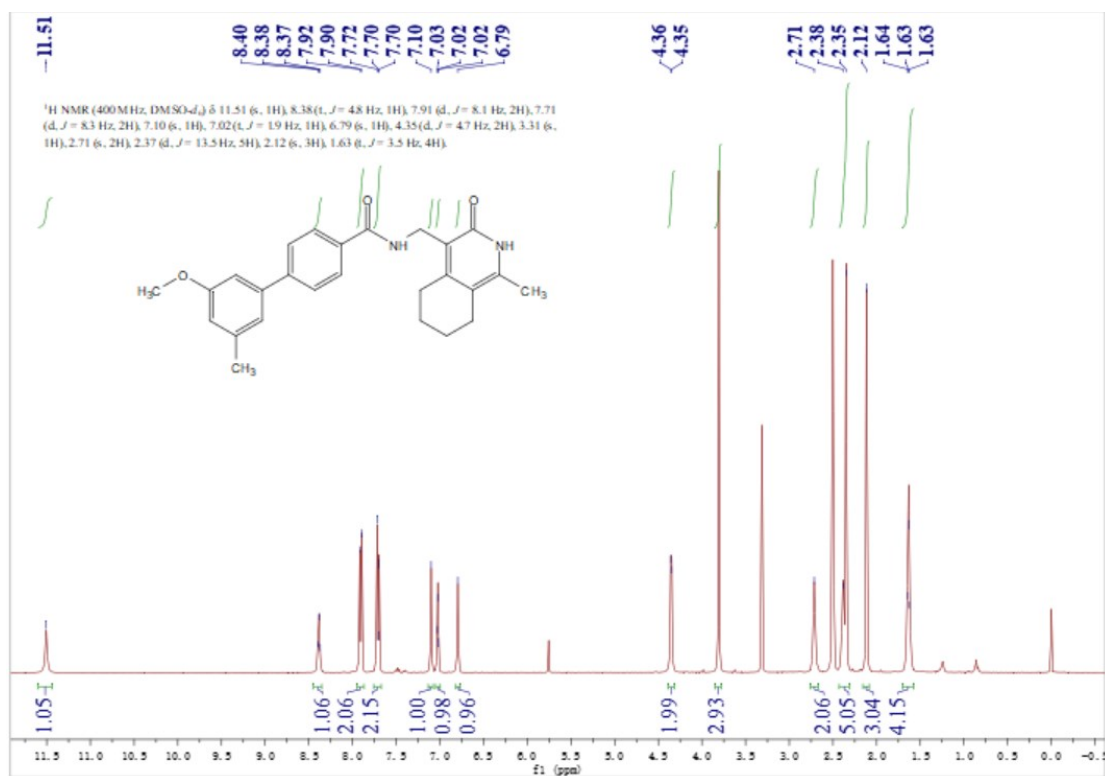
¹H NMR of 3',5'-dimethoxy-*N*-((1-methyl-3-oxo-2,3,5,6,7,8-hexahydroisoquinolin-4-yl)methyl)-[1,1'-biphenyl]-4-carboxamide (6b6)



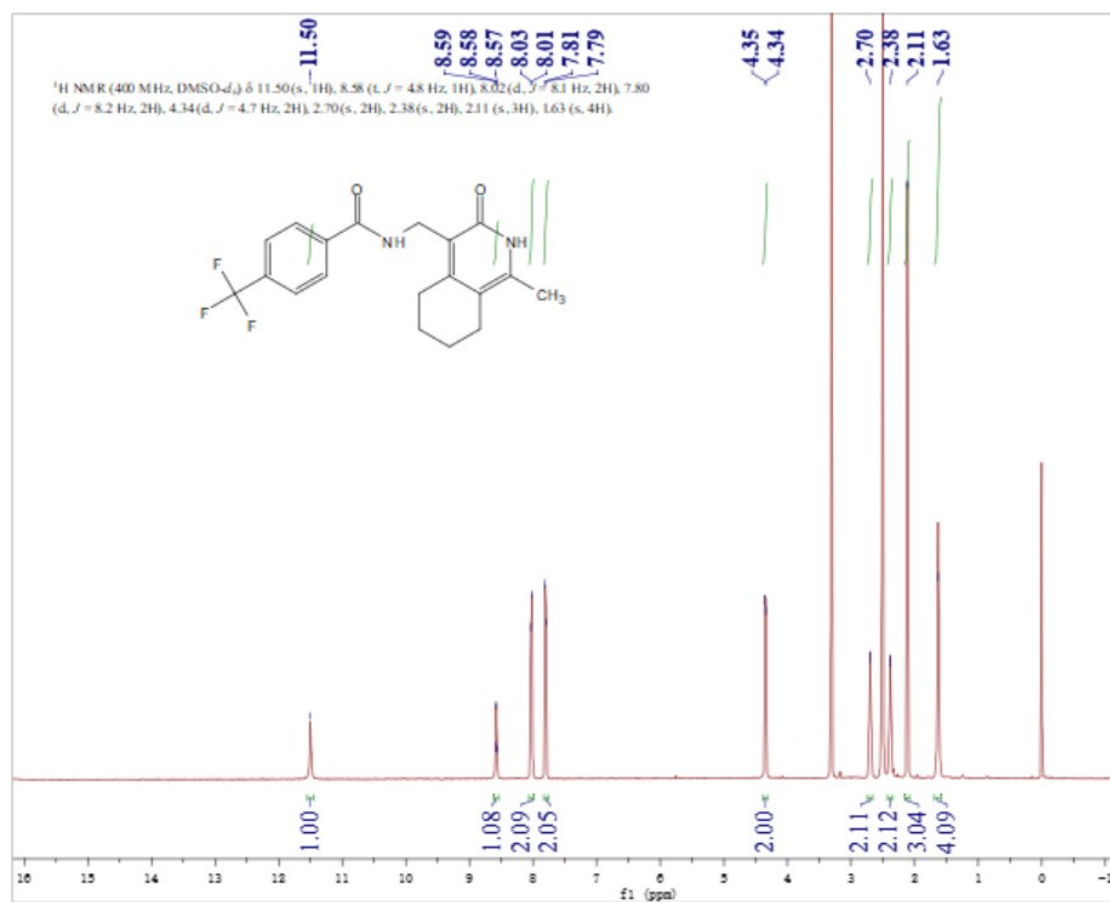
¹H NMR of 3'-methoxy-*N*-((1-methyl-3-oxo-2,3,5,6,7,8-hexahydroisoquinolin-4-yl)methyl)-5'-(trifluoromethyl)-[1,1'-biphenyl]-4-carboxamide (6b8)



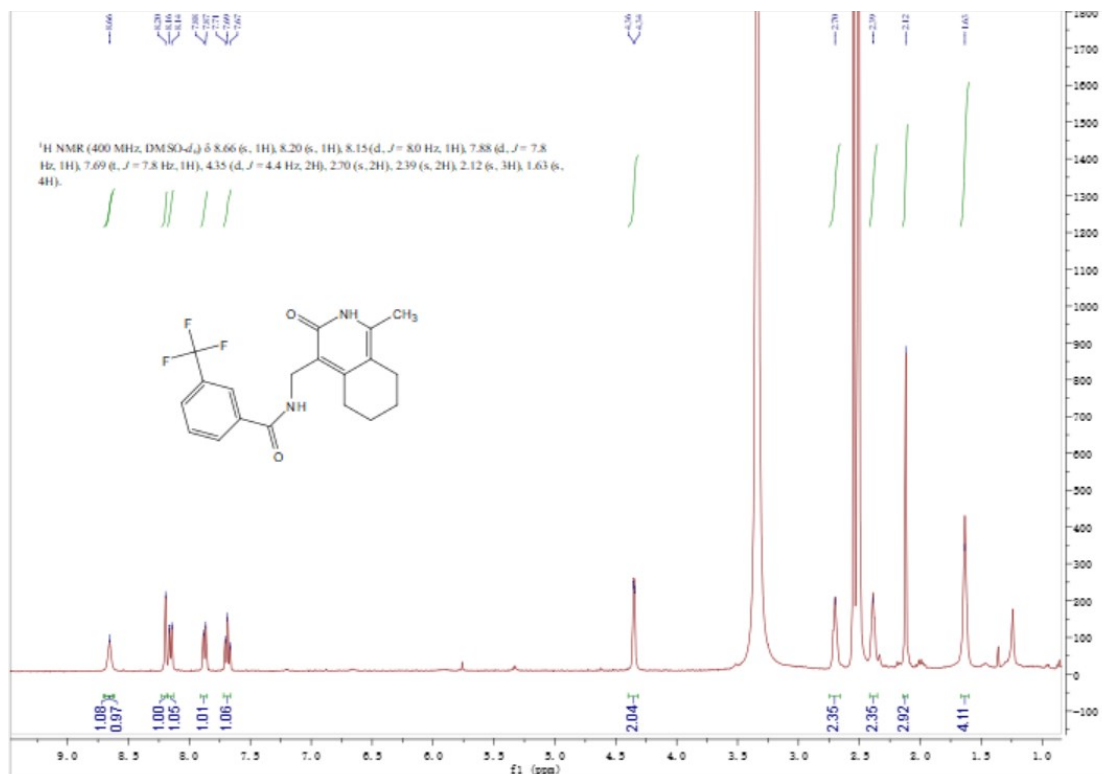
¹H NMR of 3'-methoxy-5'-methyl-*N*-((1-methyl-3-oxo-2,3,5,6,7,8-hexahydroisoquinolin-4-yl)methyl)-[1,1'-biphenyl]-4-carboxamide (6b9)



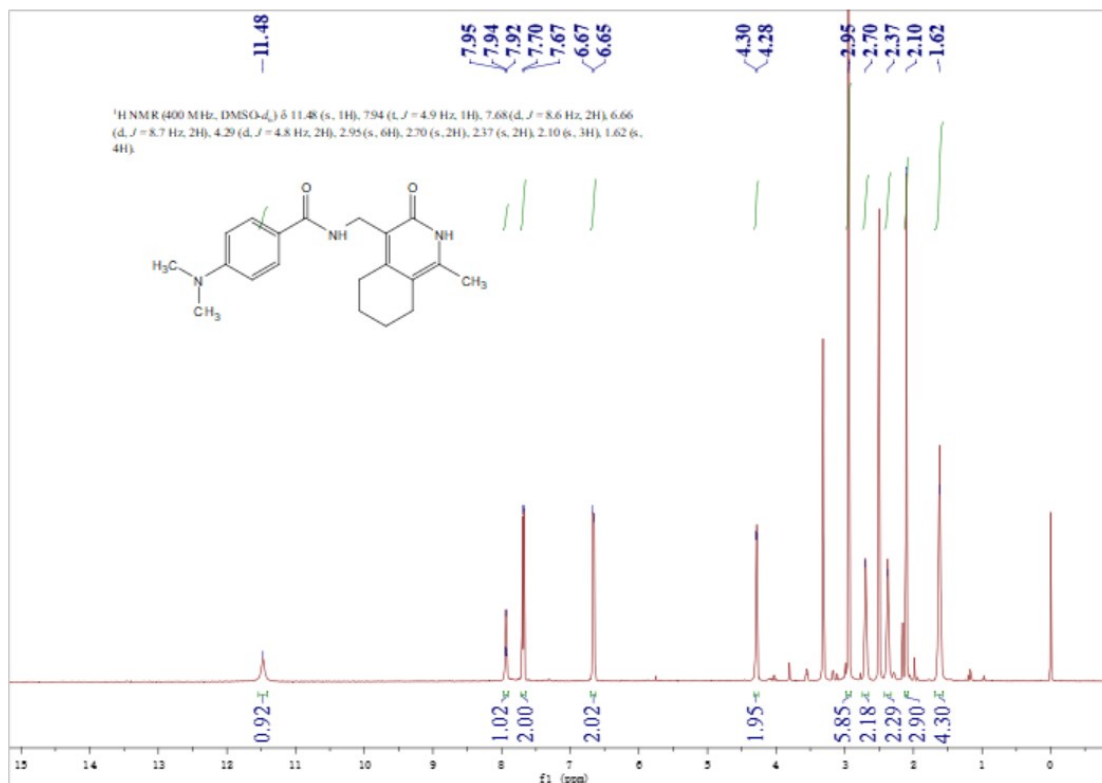
¹H NMR of *N*-((1-methyl-3-oxo-2,3,5,6,7,8-hexahydroisquinolin-4-yl)methyl)-4-(trifluoromethyl)benzamide (**6b12**)



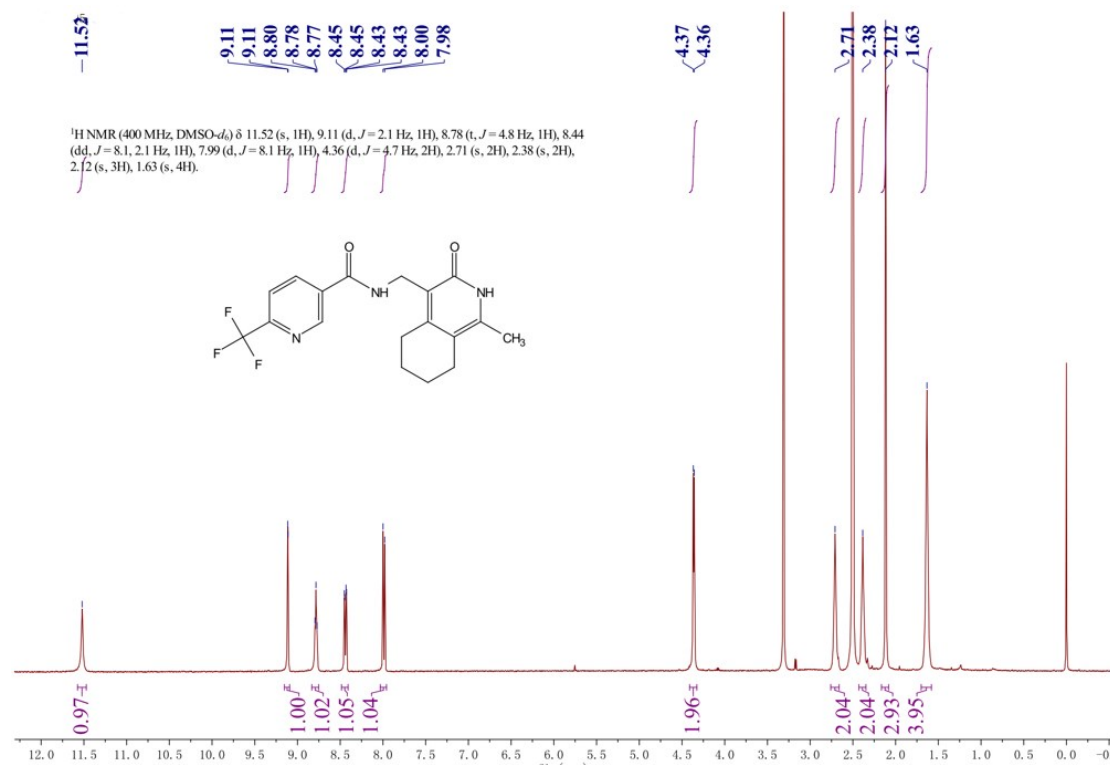
¹H NMR of *N*-((1-methyl-3-oxo-2,3,5,6,7,8-hexahydroisoquinolin-4-yl)methyl)-3-(trifluoromethyl)benzamide (6b14)



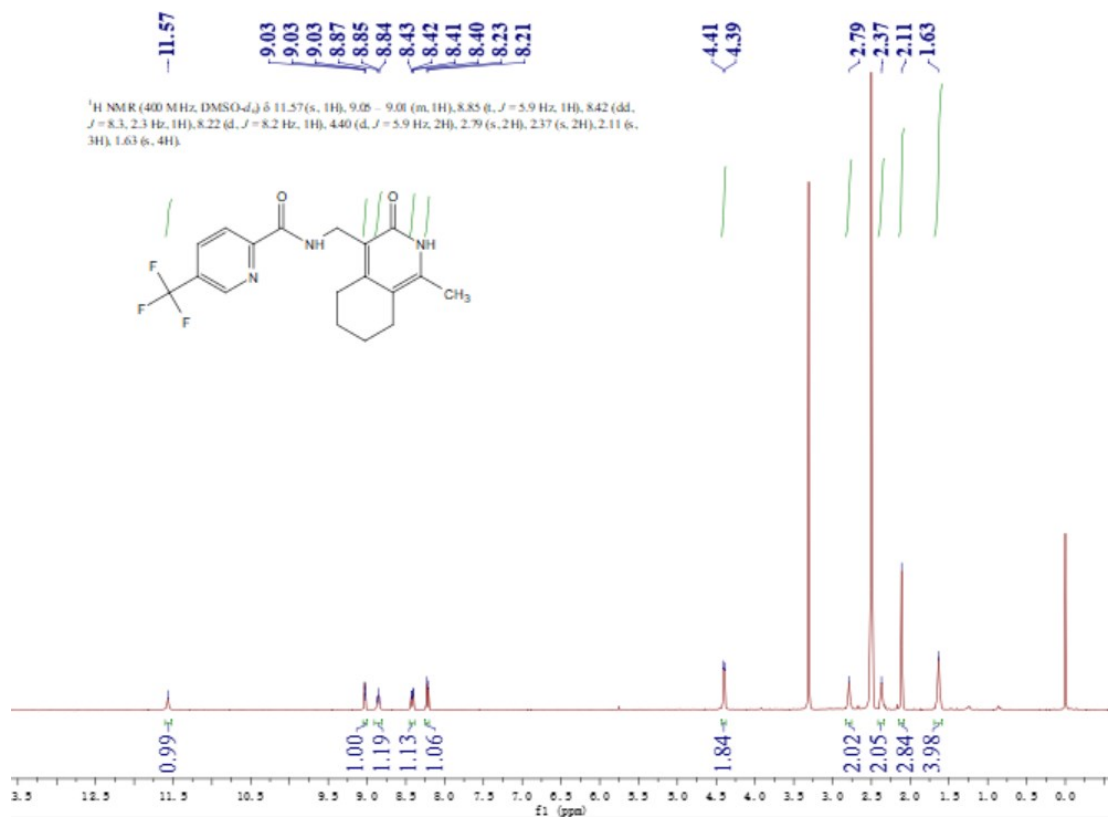
¹H NMR of 4-(dimethylamino)-*N*-((1-methyl-3-oxo-2,3,5,6,7,8-hexahydroisoquinolin-4-yl)methyl) benzamide (6b18)



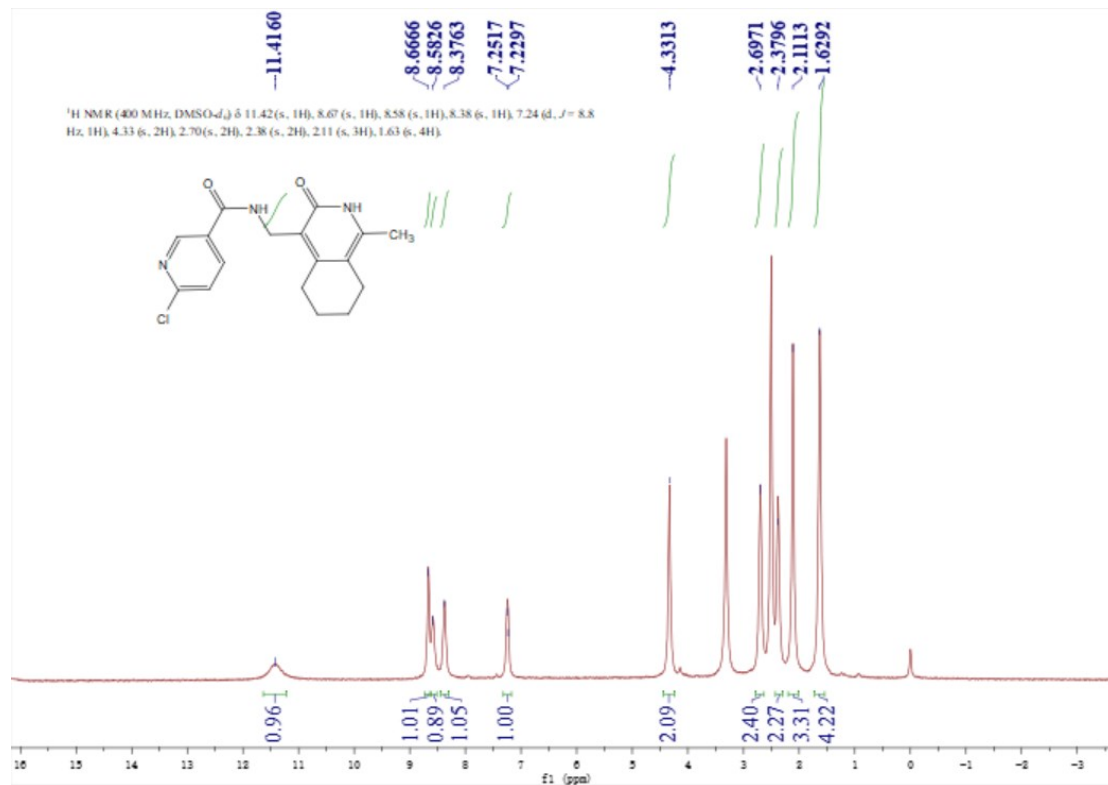
¹H NMR of *N*-((1-methyl-3-oxo-2,3,5,6,7,8-hexahydroisoquinolin-4-yl)methyl)-6-(trifluoromethyl) nicotinamide (6b21)



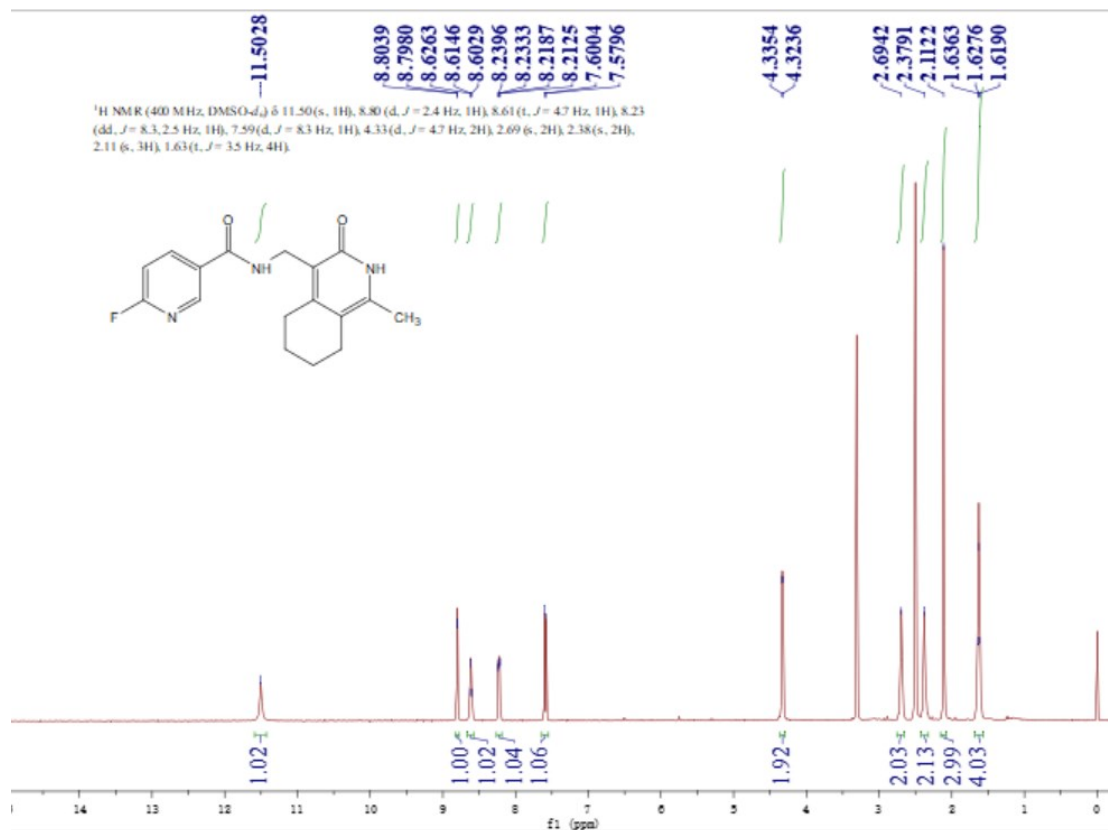
¹H NMR of *N*-((1-methyl-3-oxo-2,3,5,6,7,8-hexahydroisoquinolin-4-yl)methyl)-5-(trifluoromethyl) picolinamide (6b22)



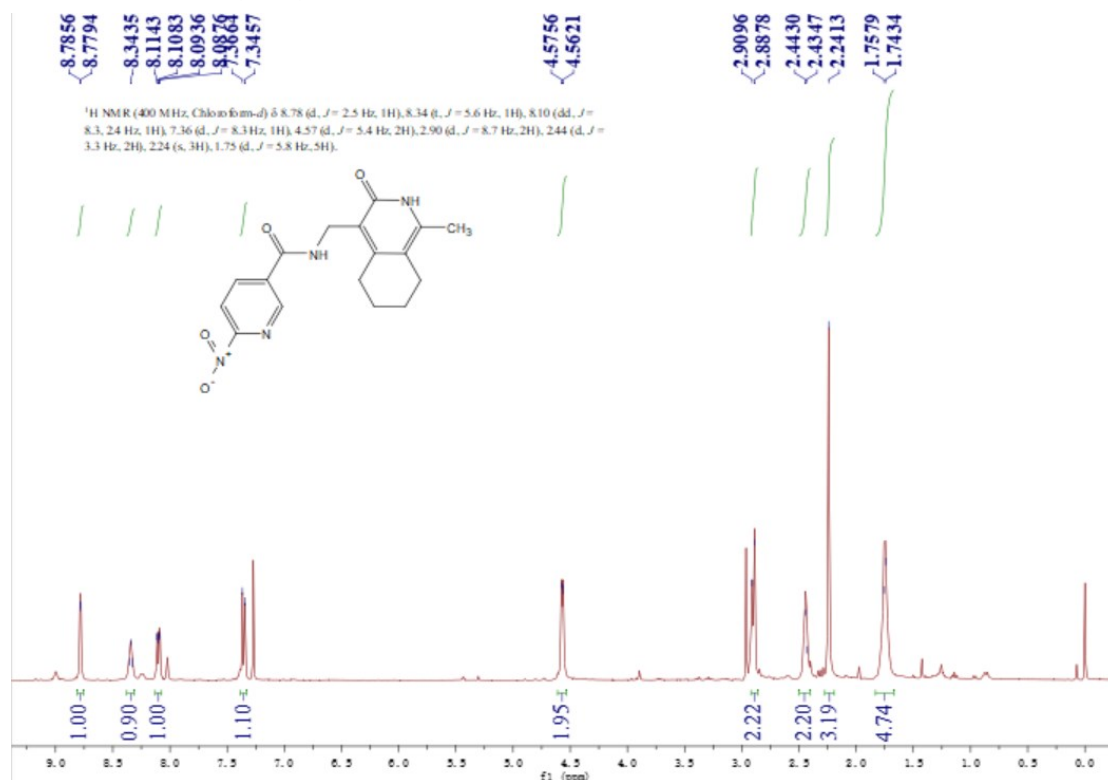
¹H NMR of 6-chloro-N-((1-methyl-3-oxo-2,3,5,6,7,8-hexahydroisoquinolin-4-yl)methyl)nicotinamide (6b24)



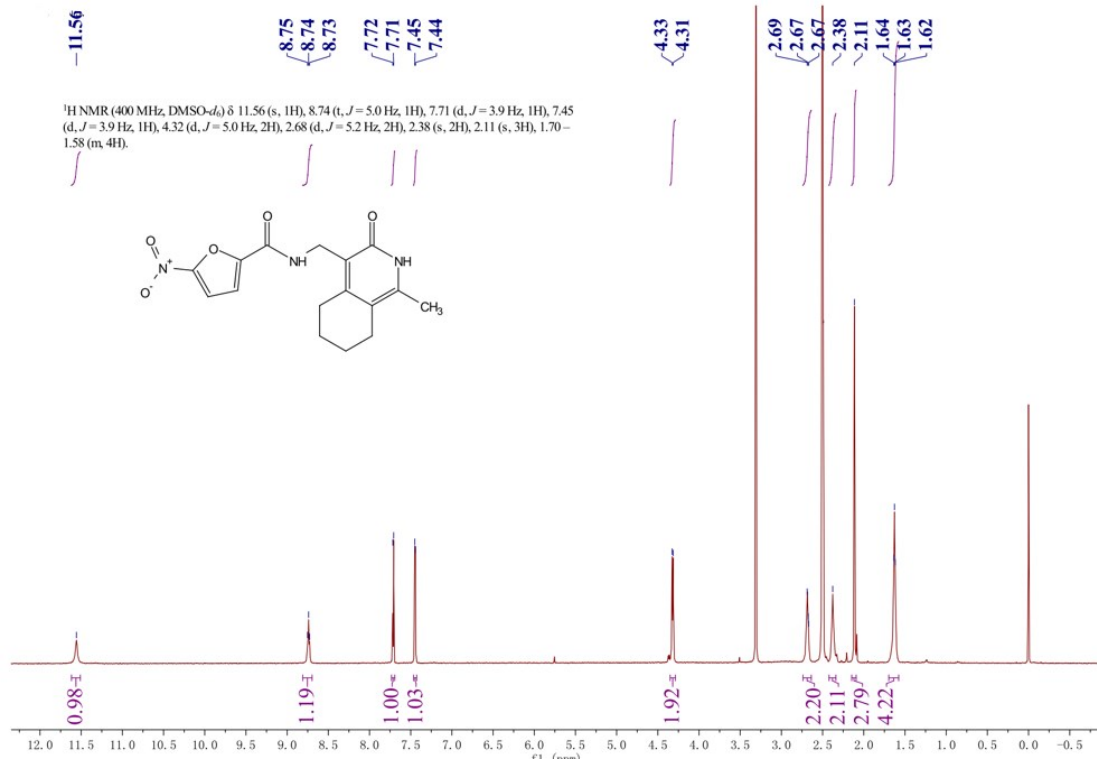
¹H NMR of 6-fluoro-N-((1-methyl-3-oxo-2,3,5,6,7,8-hexahydroisoquinolin-4-yl)methyl)nicotinamide (6b26)



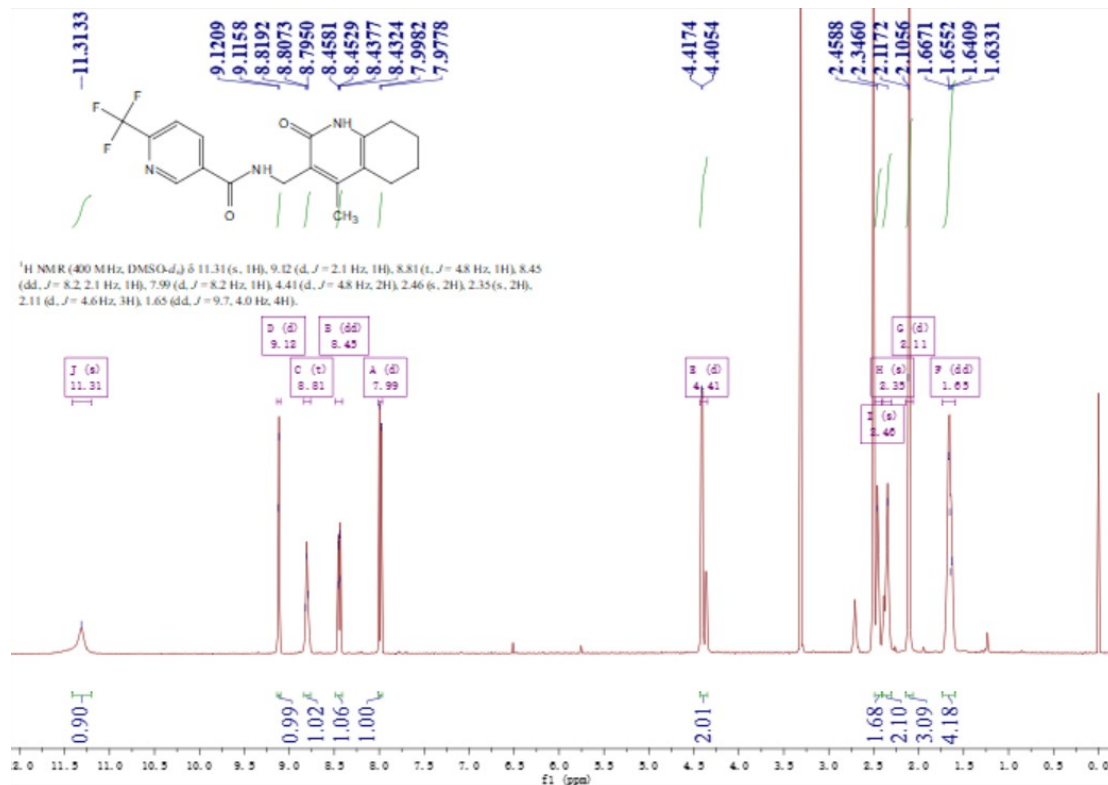
¹H NMR of *N*-((1-methyl-3-oxo-2,3,5,6,7,8-hexahydroisoquinolin-4-yl)methyl)-6-nitronicotinamide (6b28)



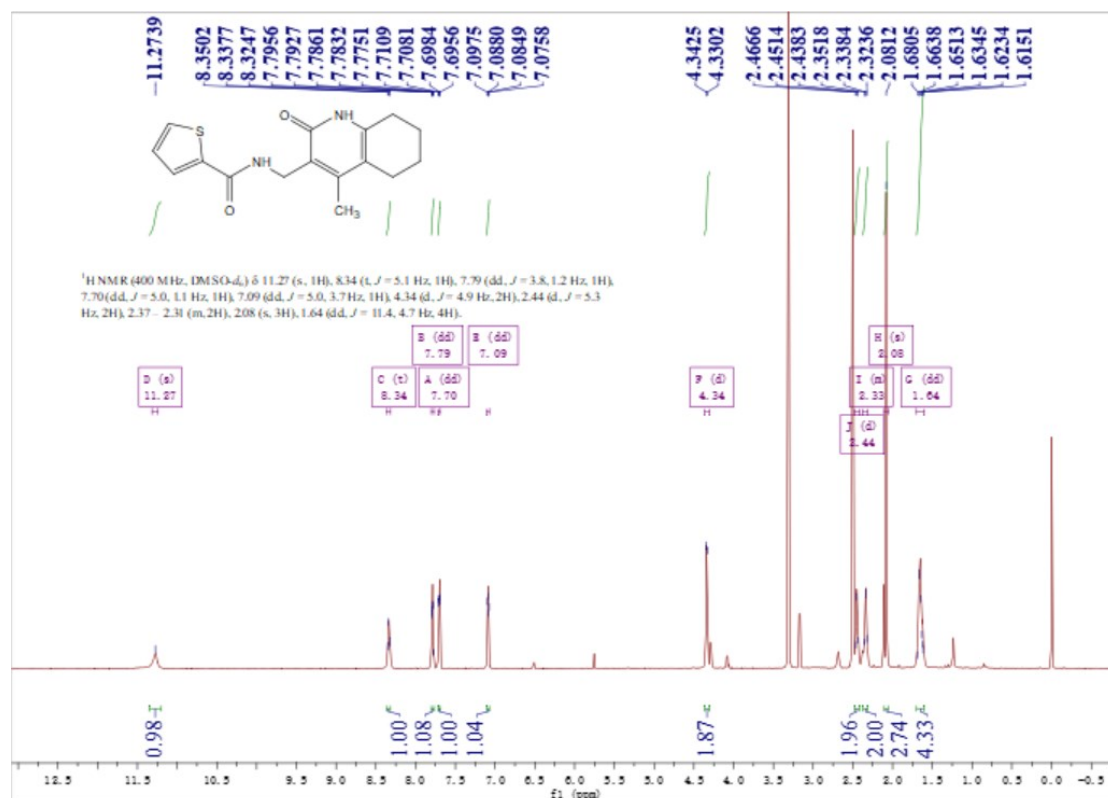
¹H NMR of *N*-((1-methyl-3-oxo-2,3,5,6,7,8-hexahydroisoquinolin-4-yl)methyl)-5-nitrofurancarboxamide (6b29)



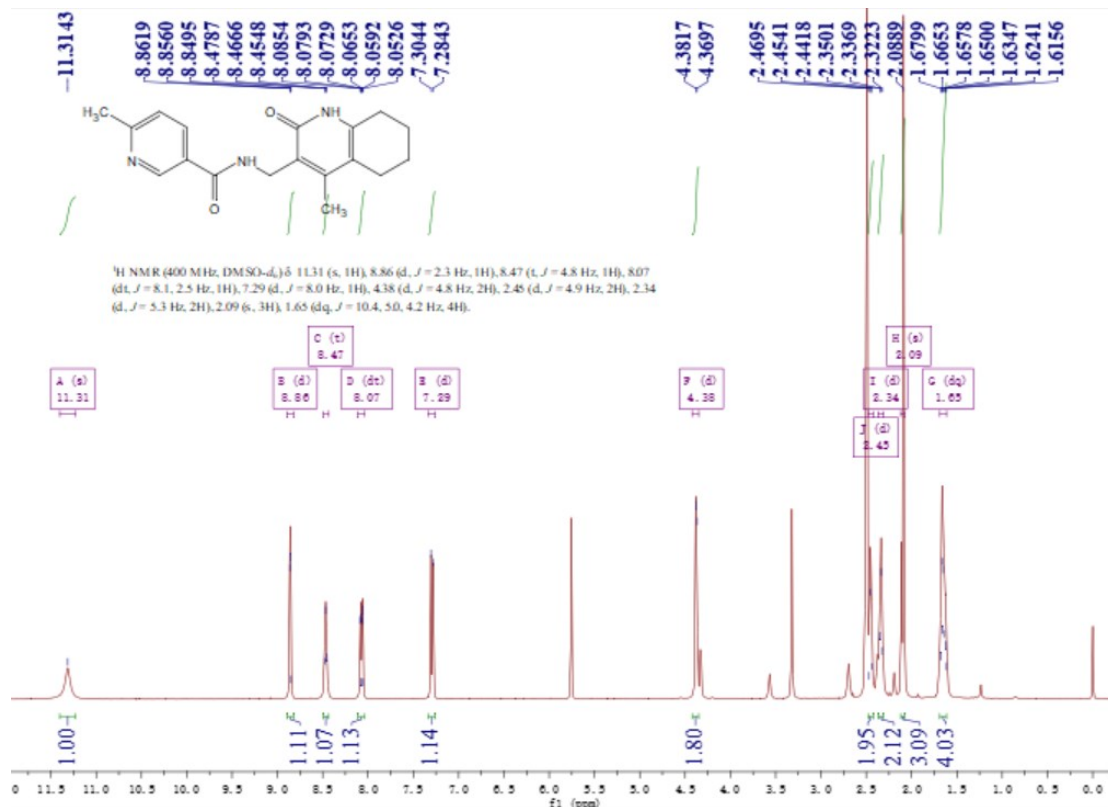
¹H NMR of 5-bromo-*N*-((1-methyl-3-oxo-2,3,5,6,7,8-hexahydroisoquinolin-4-yl)methyl)furan-2-carboxamide (6b31)



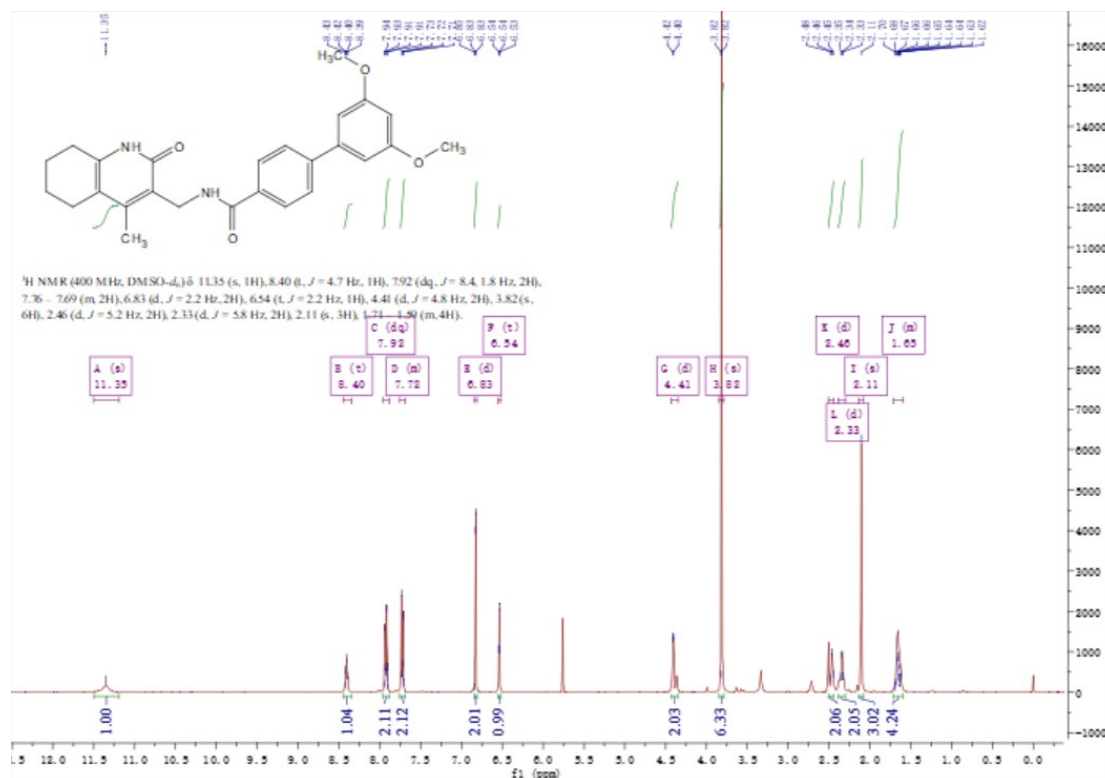
¹H NMR of *N*-((4-methyl-2-oxo-1,2,5,6,7,8-hexahydroquinolin-3-yl)methyl)thiophene-2-carboxamide(6d2)



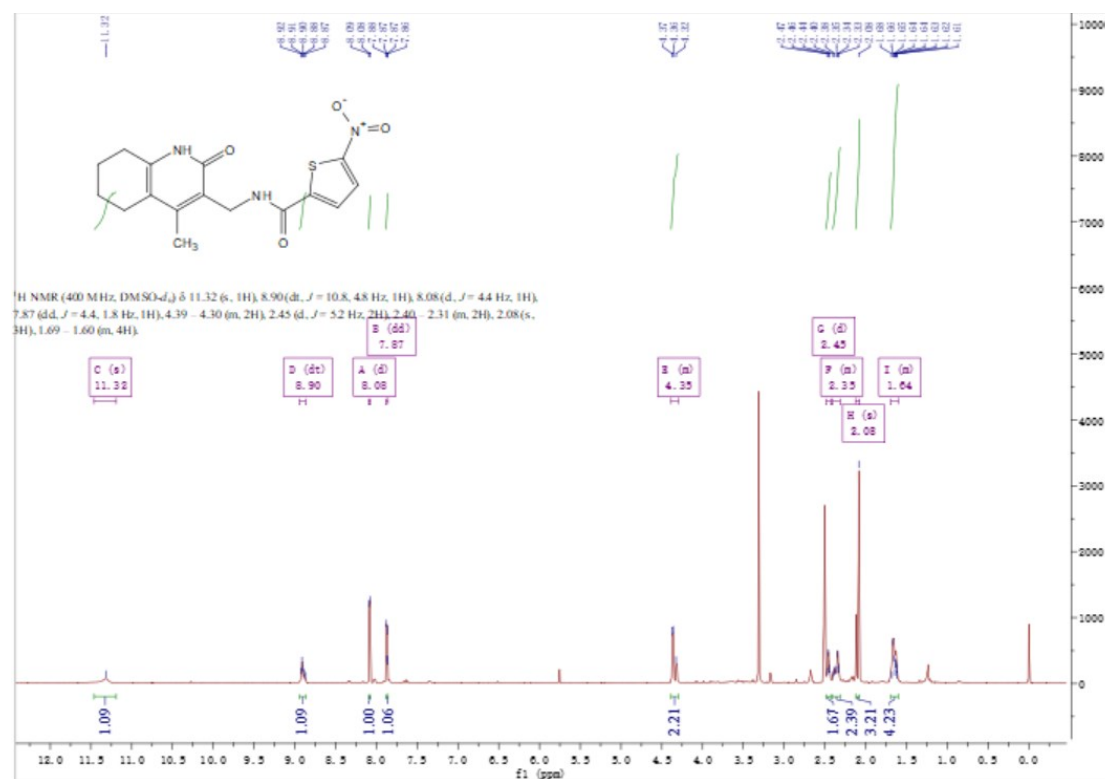
¹H NMR of 6-methyl-*N*-((4-methyl-2-oxo-1,2,5,6,7,8-hexahydroquinolin-3-yl)methyl)nicotinamide (6d3)



¹H NMR of 3',5'-dimethoxy-N-((4-methyl-2-oxo-1,2,5,6,7,8-hexahydroquinolin-3-yl)methyl)-[1,1'-biphenyl]-4-carboxamide (6d4)

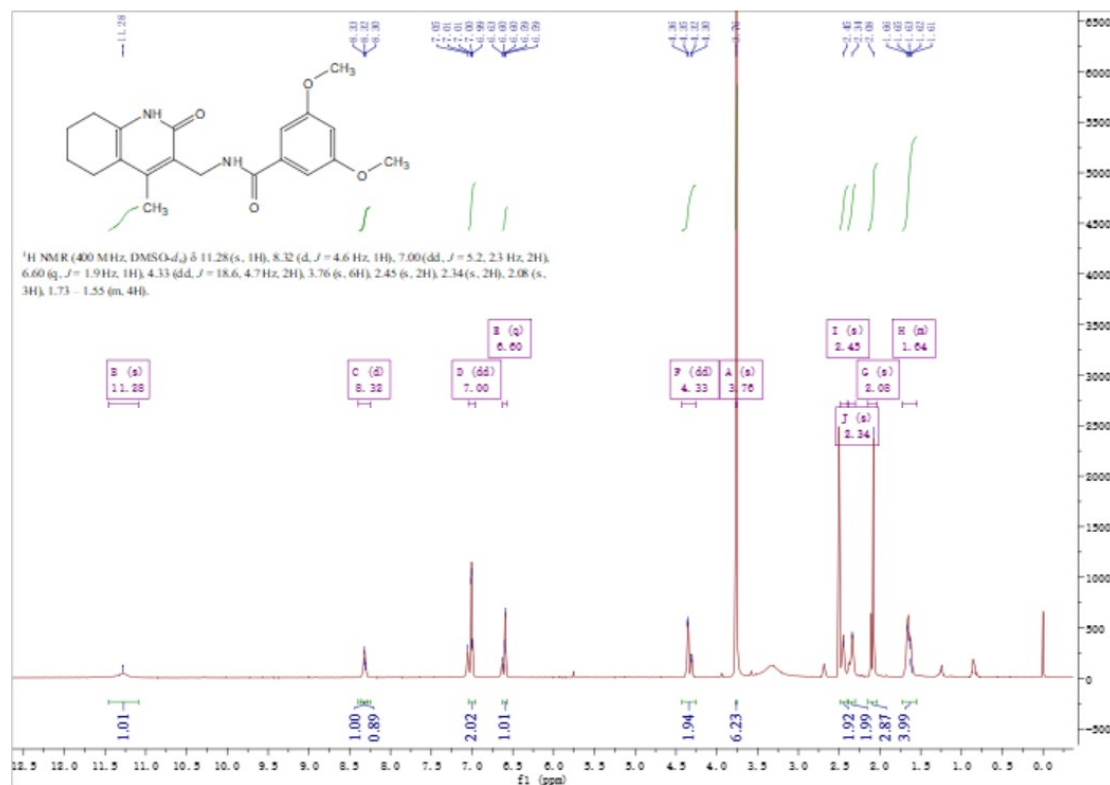


¹H NMR of N-((4-methyl-2-oxo-1,2,5,6,7,8-hexahydroquinolin-3-yl)methyl)-5-nitrothiophene-2-carboxamide (6d5)

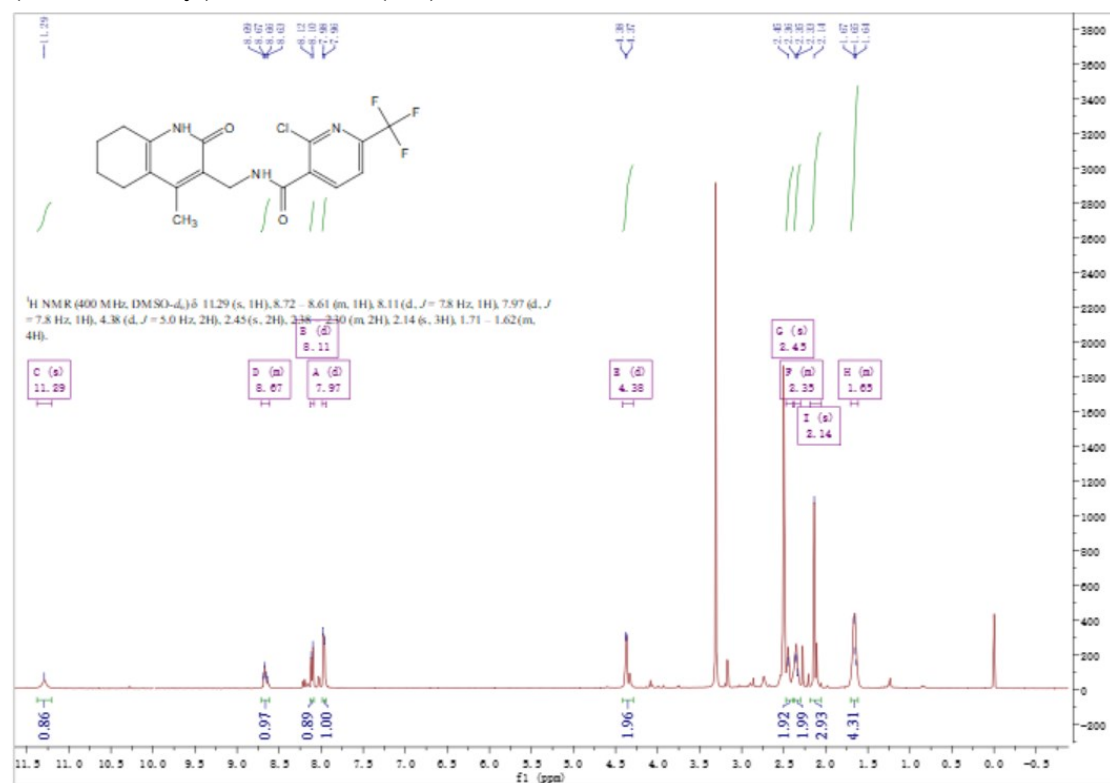


¹H NMR of 3,5-dimethoxy-N-((4-methyl-2-oxo-1,2,5,6,7,8-hexahydroquinolin-3-

yl)methyl)benzamide (6d6)



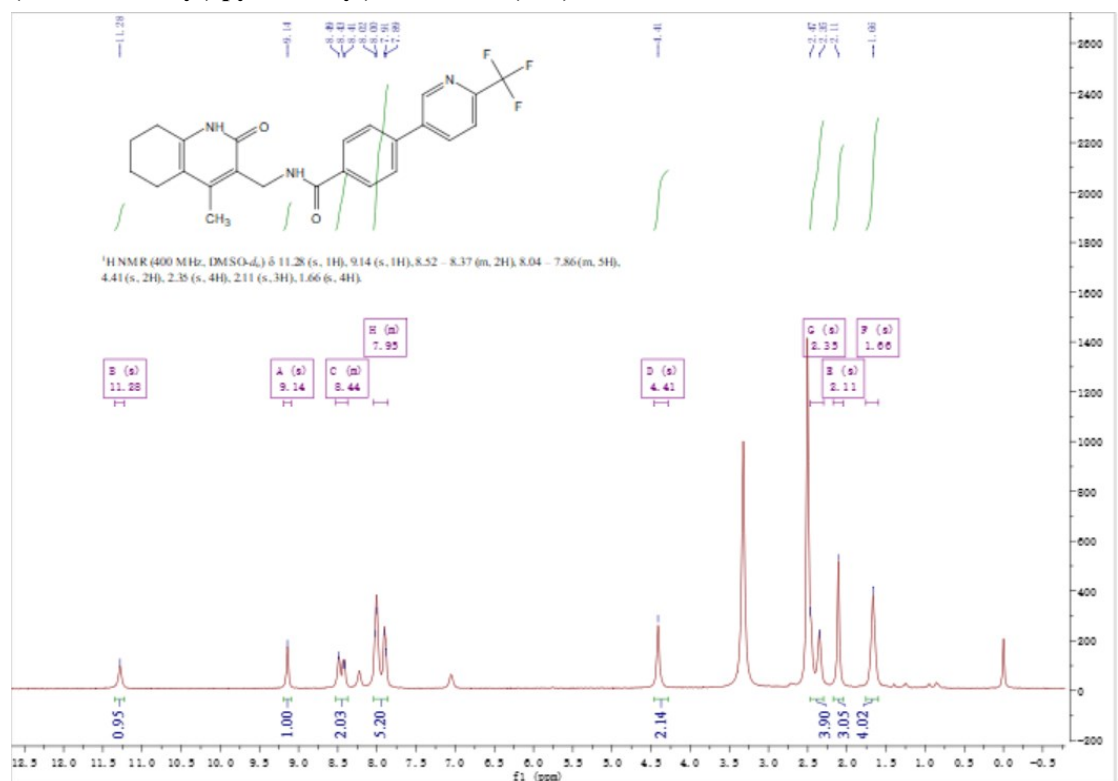
¹H NMR of 2-chloro-N-((4-methyl-2-oxo-1,2,5,6,7,8-hexahydroquinolin-3-yl)methyl)-6-(trifluoromethyl)nicotinamide (6d7)



¹H NMR of *N*-((4-methyl-2-oxo-1,2,5,6,7,8-hexahydroquinolin-3-yl)methyl)-5-phenylfuran-2-carboxamide (6d8)

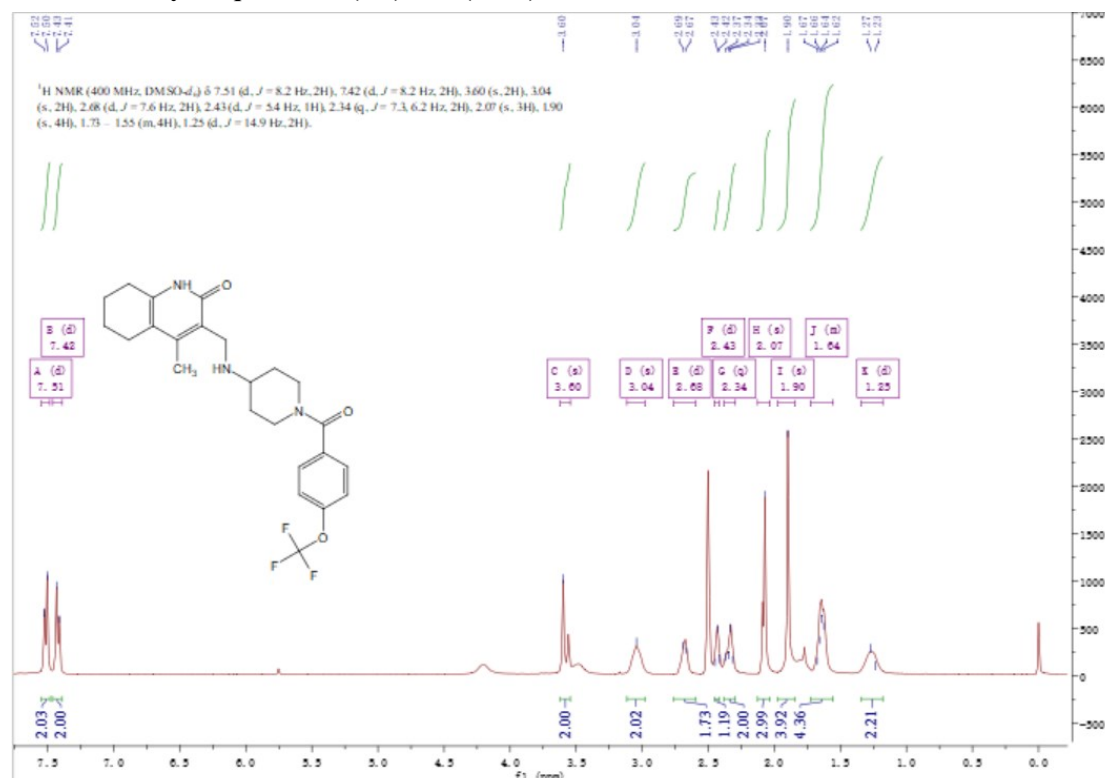


¹H NMR of *N*-((4-methyl-2-oxo-1,2,5,6,7,8-hexahydroquinolin-3-yl)methyl)-4-(6-(trifluoromethyl)pyridin-3-yl)benzamide (6d9)

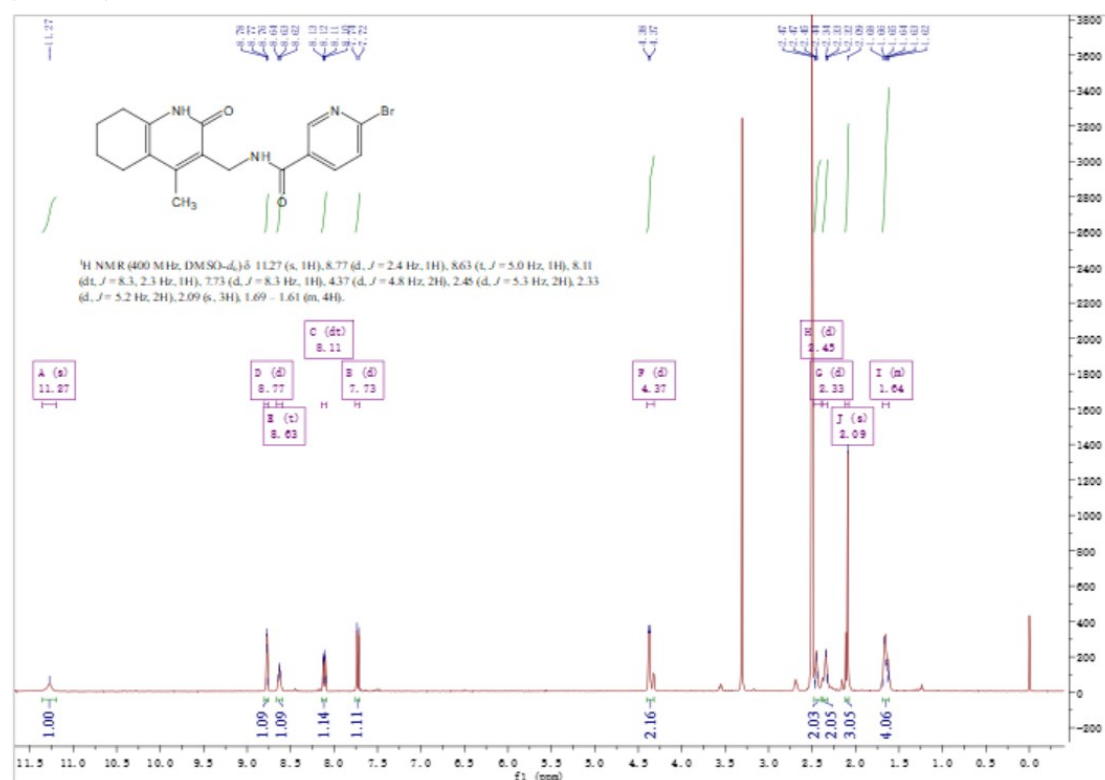


¹H NMR of 4-methyl-3-(((1-(4-(trifluoromethoxy)benzoyl)piperidin-4-yl)amino)methyl)-

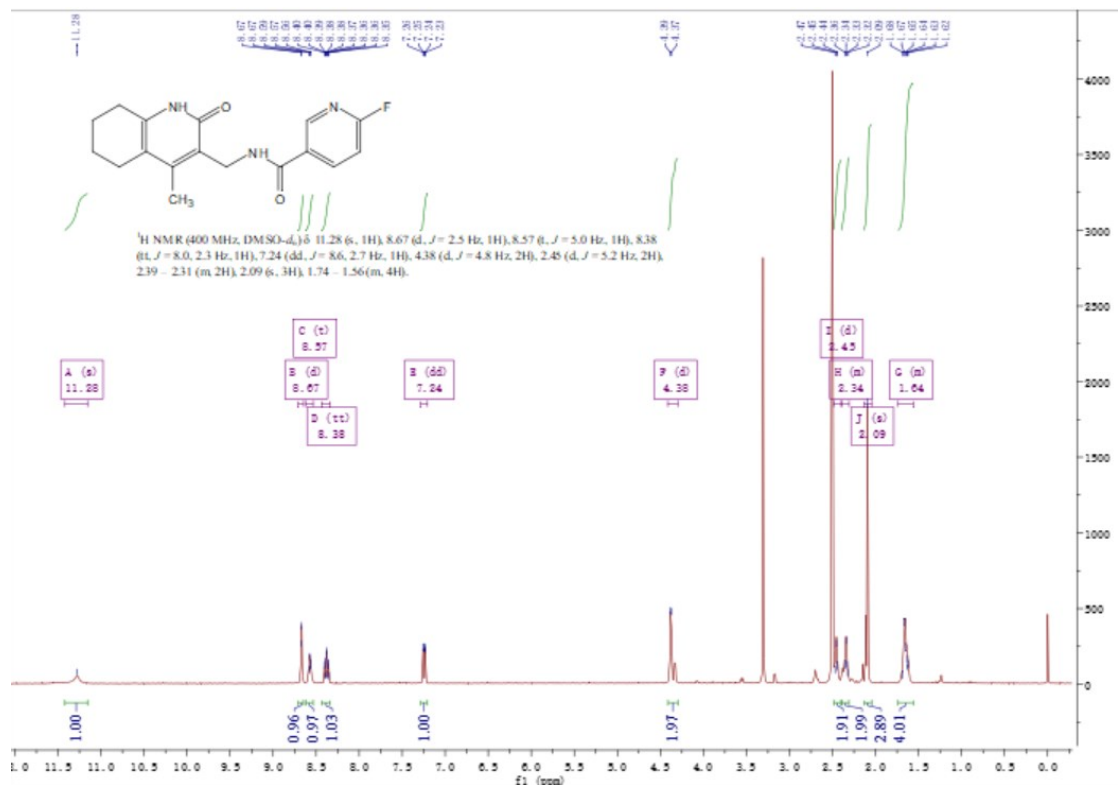
5,6,7,8-tetrahydroquinolin-2(1H)-one (6d10)



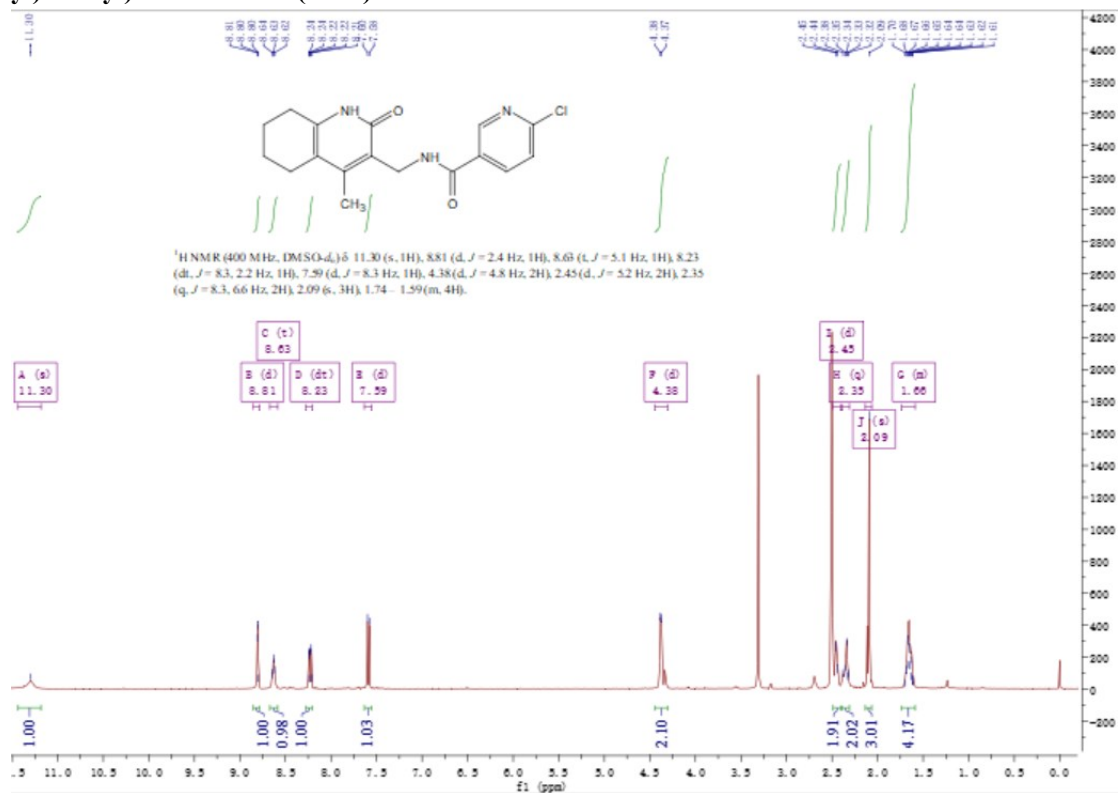
¹H NMR of 6-bromo-*N*-((4-methyl-2-oxo-1,2,5,6,7,8-hexahydroquinolin-3-yl)methyl)nicotinamide (6d11)



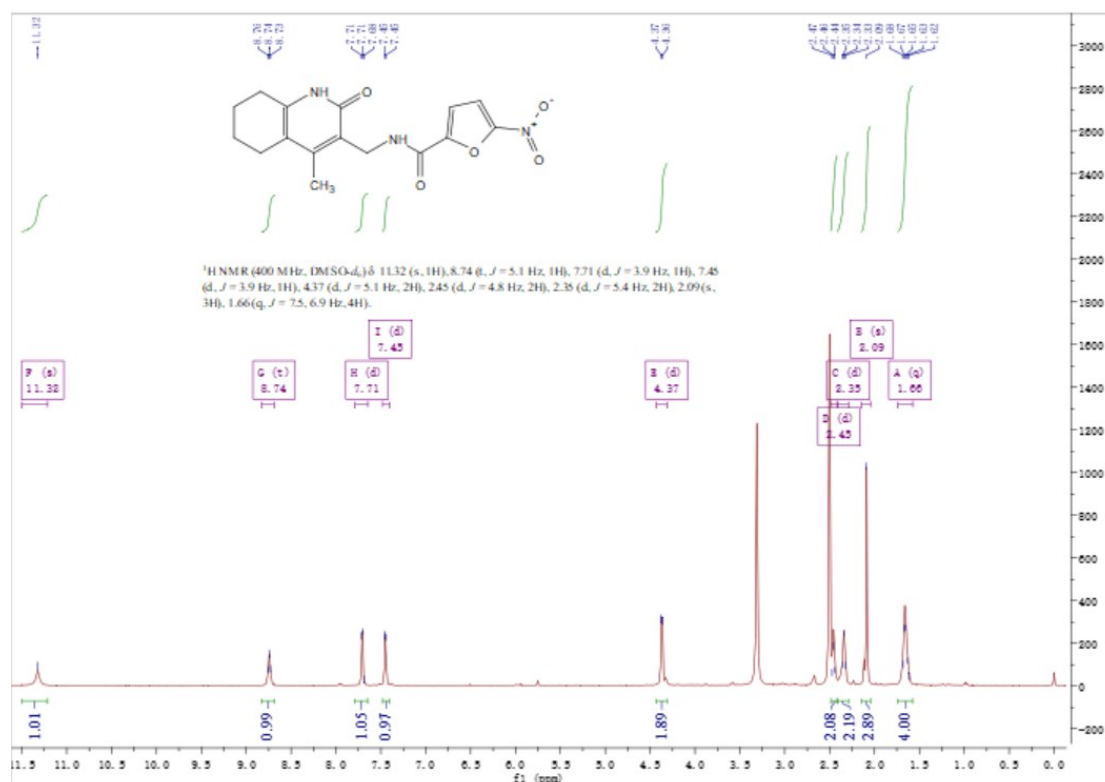
¹H NMR of 6-fluoro-*N*-((4-methyl-2-oxo-1,2,5,6,7,8-hexahydroquinolin-3-yl)methyl)nicotinamide (6d12)



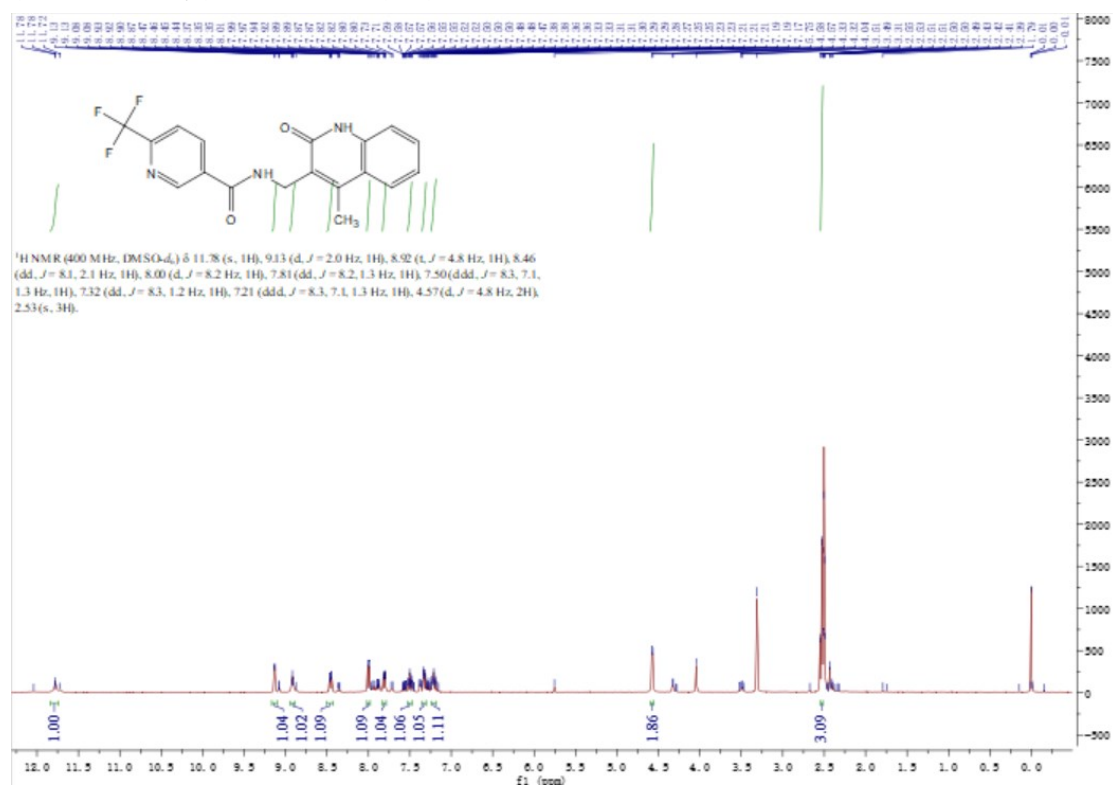
¹H NMR of 6-chloro-N-((4-methyl-2-oxo-1,2,5,6,7,8-hexahydroquinolin-3-yl)methyl)nicotinamide (6d13)



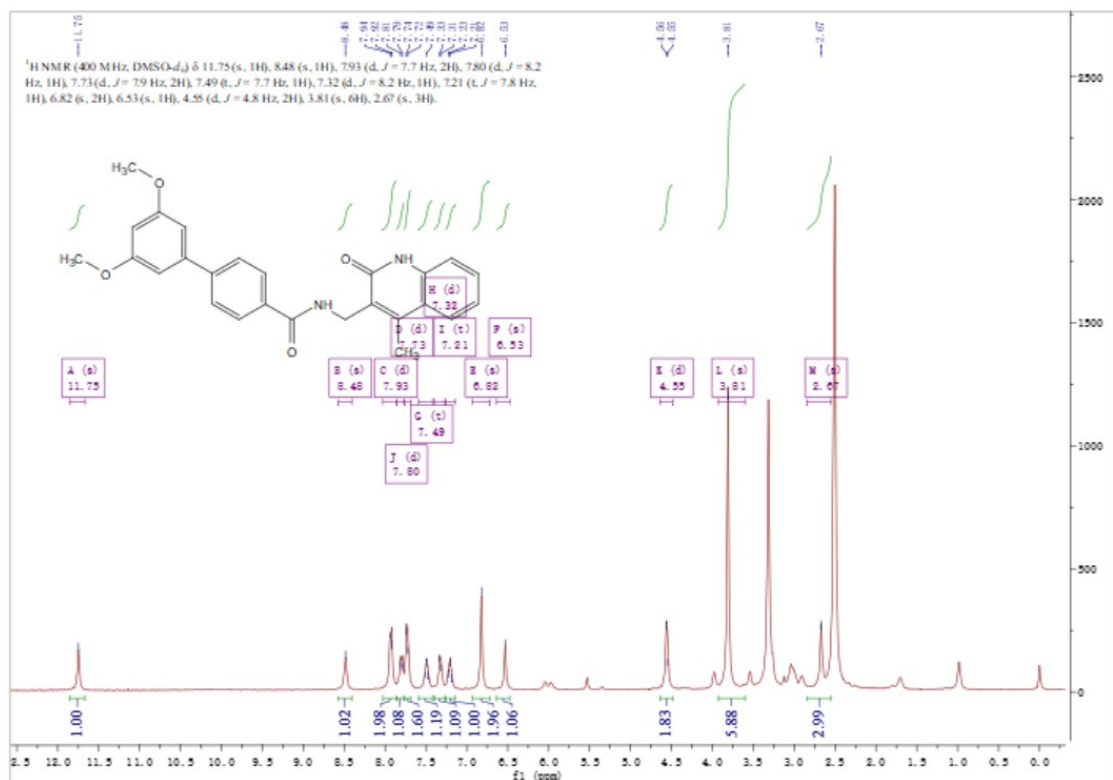
¹H NMR of N-((4-methyl-2-oxo-1,2,5,6,7,8-hexahydroquinolin-3-yl)methyl)-5-nitrofur-2-carboxamide (6d14)



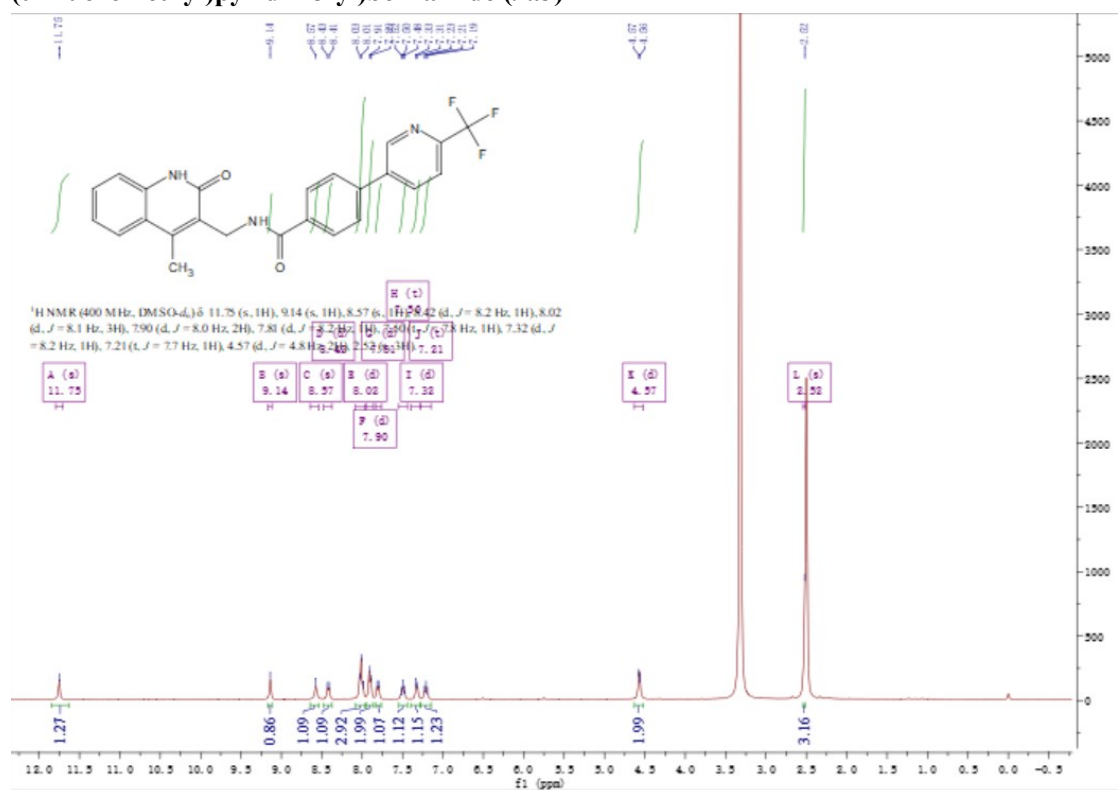
¹H NMR of *N*-((4-methyl-2-oxo-1,2-dihydroquinolin-3-yl)methyl)-6-(trifluoromethyl)nicotinamide (9a1)



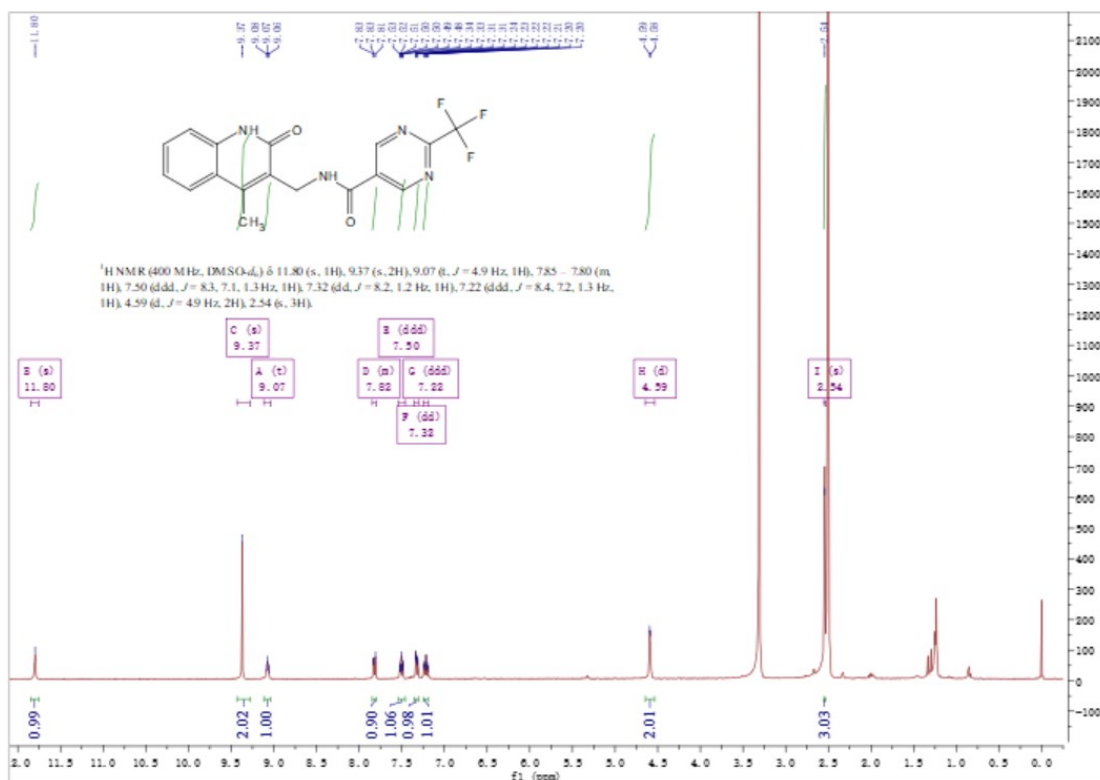
¹H NMR of 3',5'-dimethoxy-*N*-((4-methyl-2-oxo-1,2-dihydroquinolin-3-yl)methyl)-[1,1'-biphenyl]-4-carboxamide (9a2)



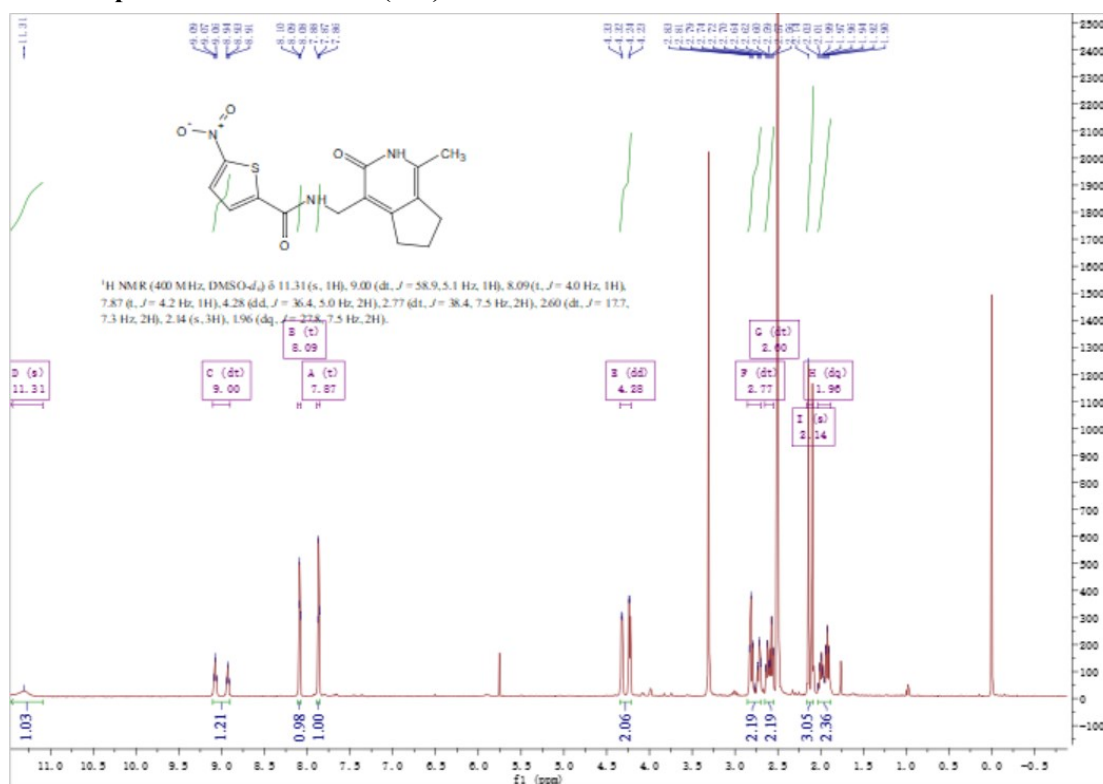
¹H NMR of *N*-((4-methyl-2-oxo-1,2-dihydroquinolin-3-yl)methyl)-4-(6-(trifluoromethyl)pyridin-3-yl)benzamide (9a3)



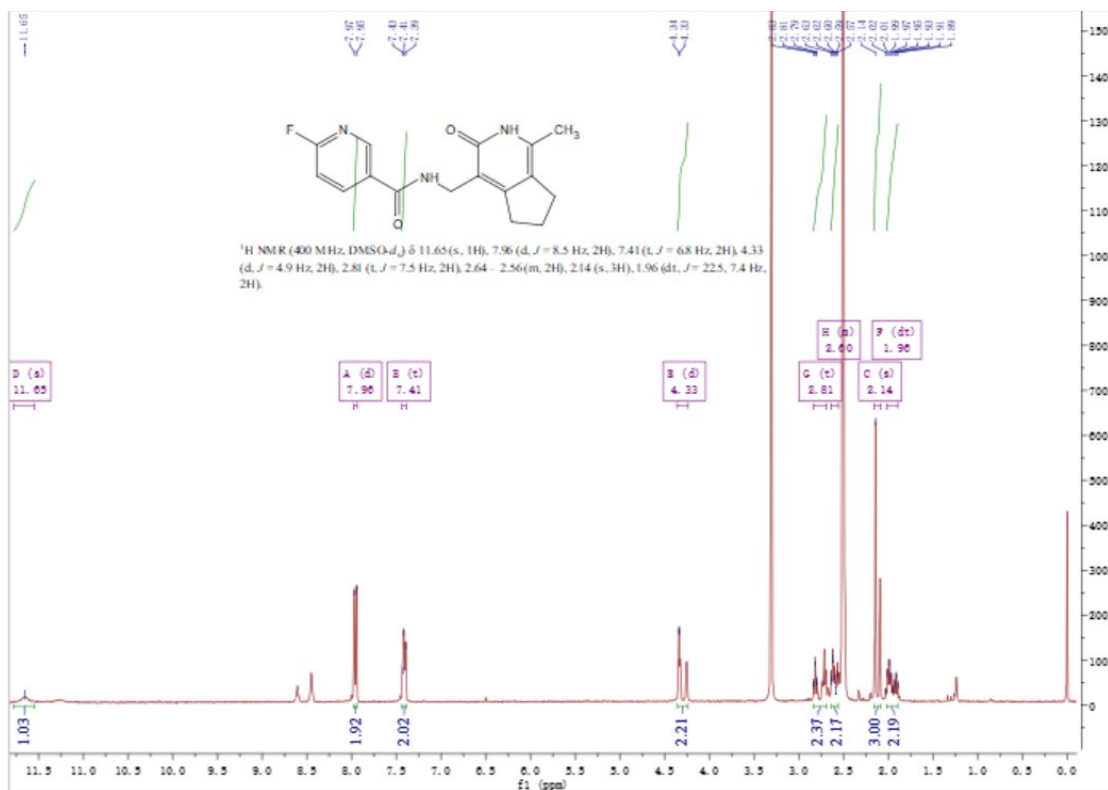
¹H NMR of *N*-((4-methyl-2-oxo-1,2-dihydroquinolin-3-yl)methyl)-2-(trifluoromethyl)pyrimidine-5-carboxamide (9a4)



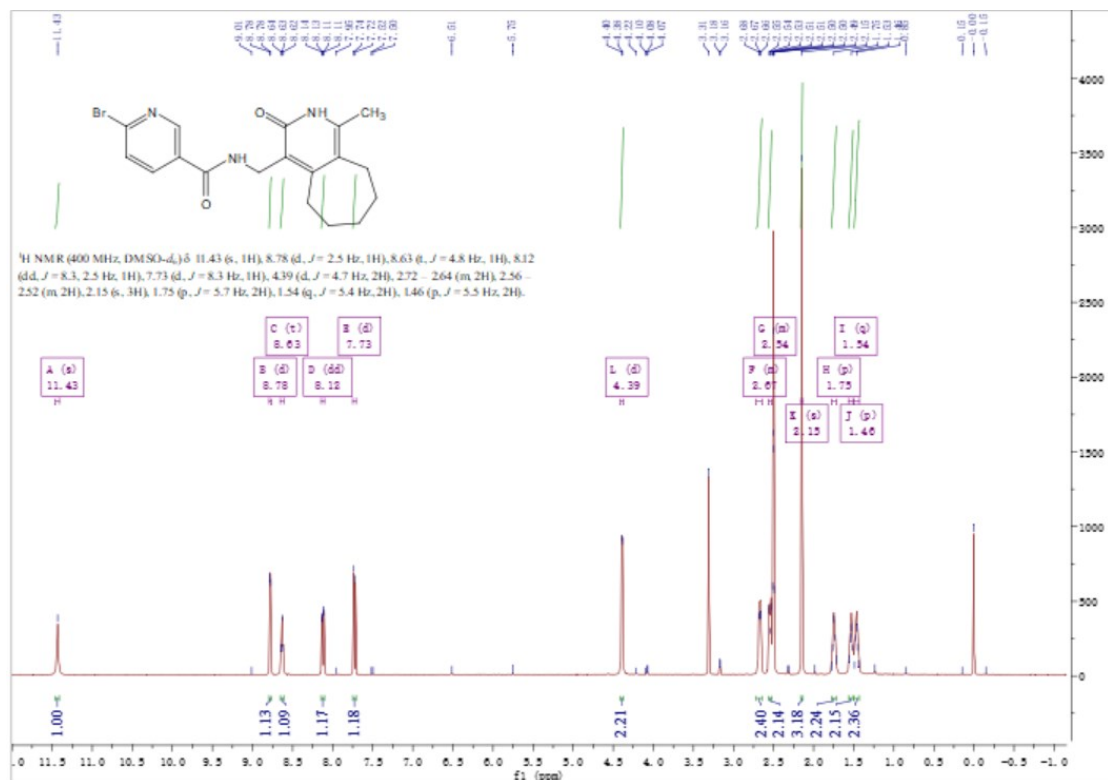
¹H NMR of *N*-((1-methyl-3-oxo-3,5,6,7-tetrahydro-2H-cyclopenta[*c*]pyridin-4-yl)methyl)-5-nitrothiophene-2-carboxamide (6a1)



¹H NMR of 6-fluoro-*N*-((1-methyl-3-oxo-3,5,6,7-tetrahydro-2H-cyclopenta[*c*]pyridin-4-yl)methyl)nicotinamide (6a2)

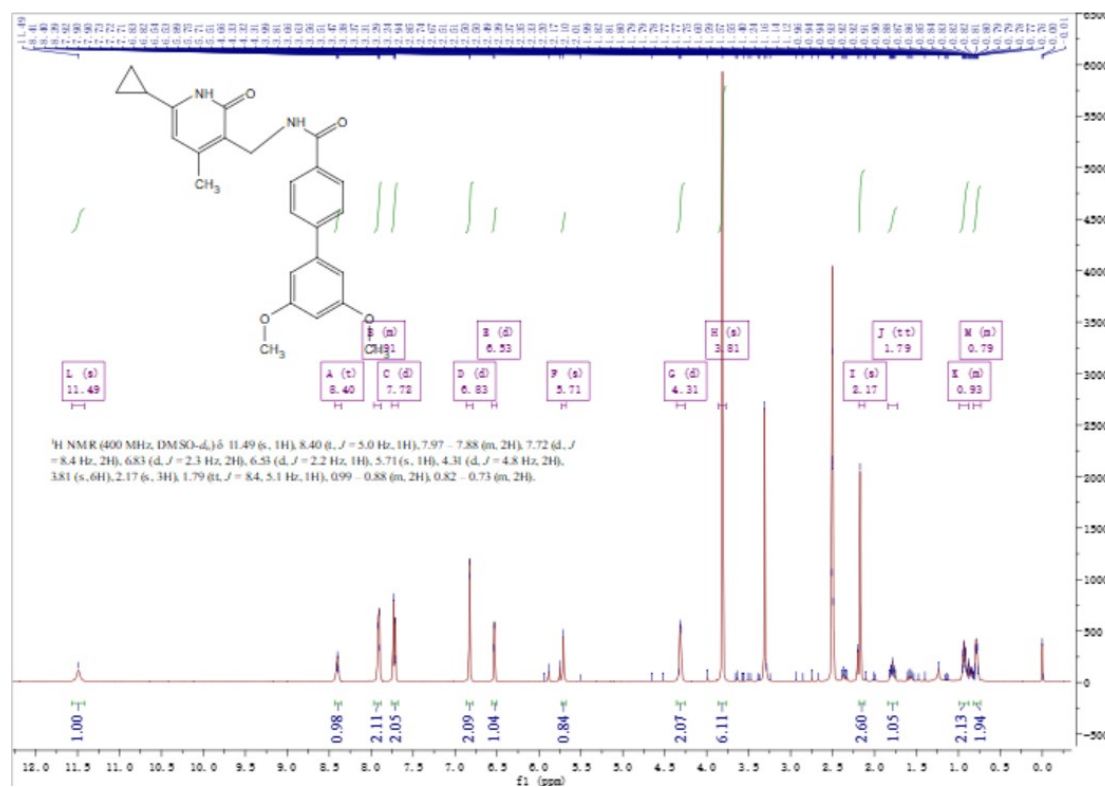


¹H NMR of 6-bromo-*N*-((1-methyl-3-oxo-3,5,6,7,8,9-hexahydro-2H-cyclohepta[c]pyridin-4-yl)methyl)nicotinamide (6c1)

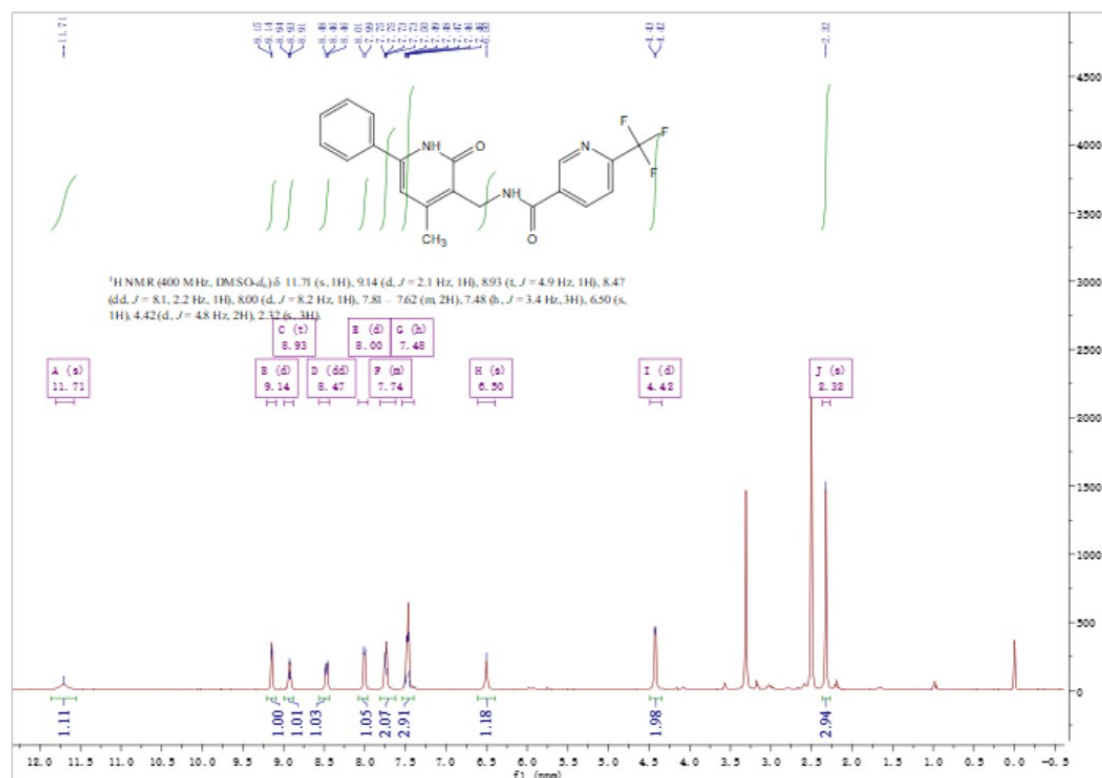


¹H NMR of *N*-((6-cyclopropyl-4-methyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-3',5'-

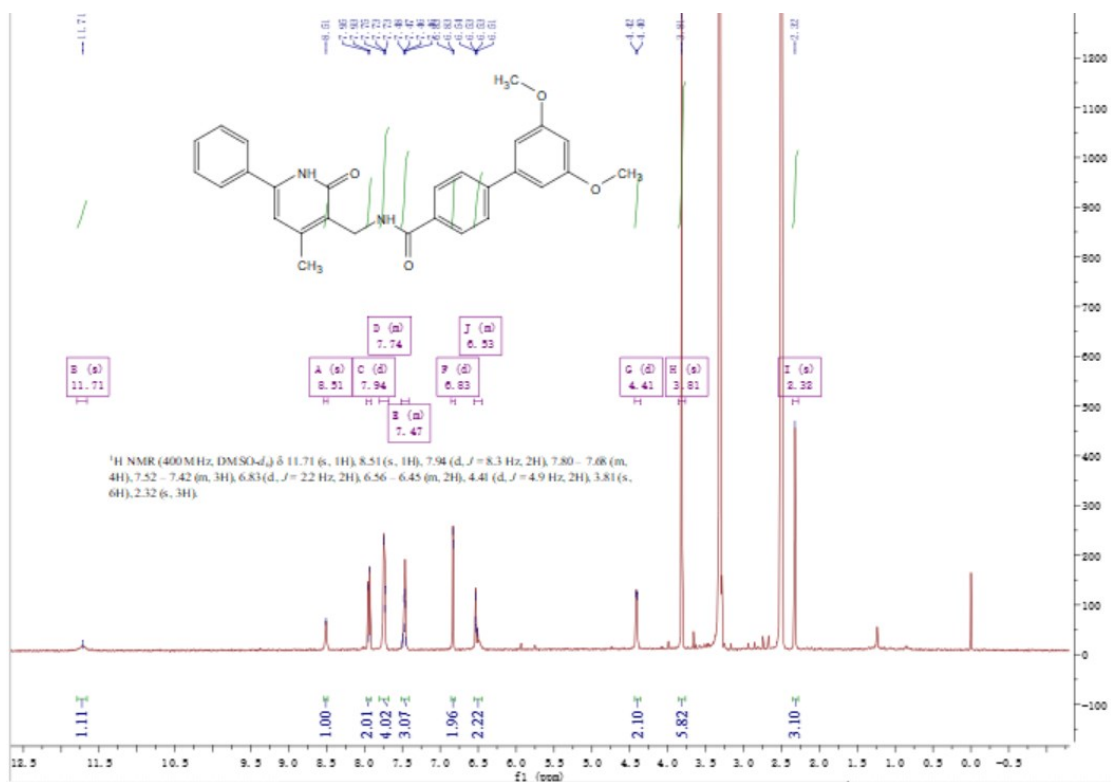
dimethoxy-[1,1'-biphenyl]-4-carboxamide (7a2)



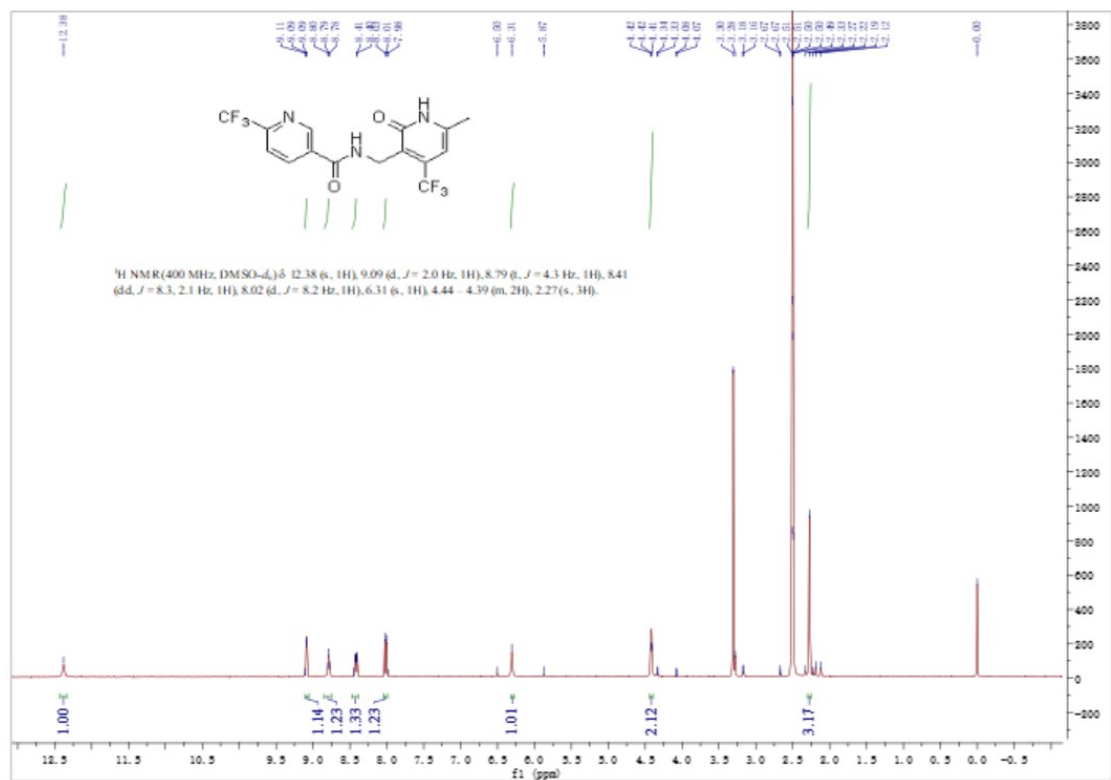
¹H NMR of *N*-((4-methyl-2-oxo-6-phenyl-1,2-dihydropyridin-3-yl)methyl)-6-(trifluoromethyl)nicotinamide (7b1)



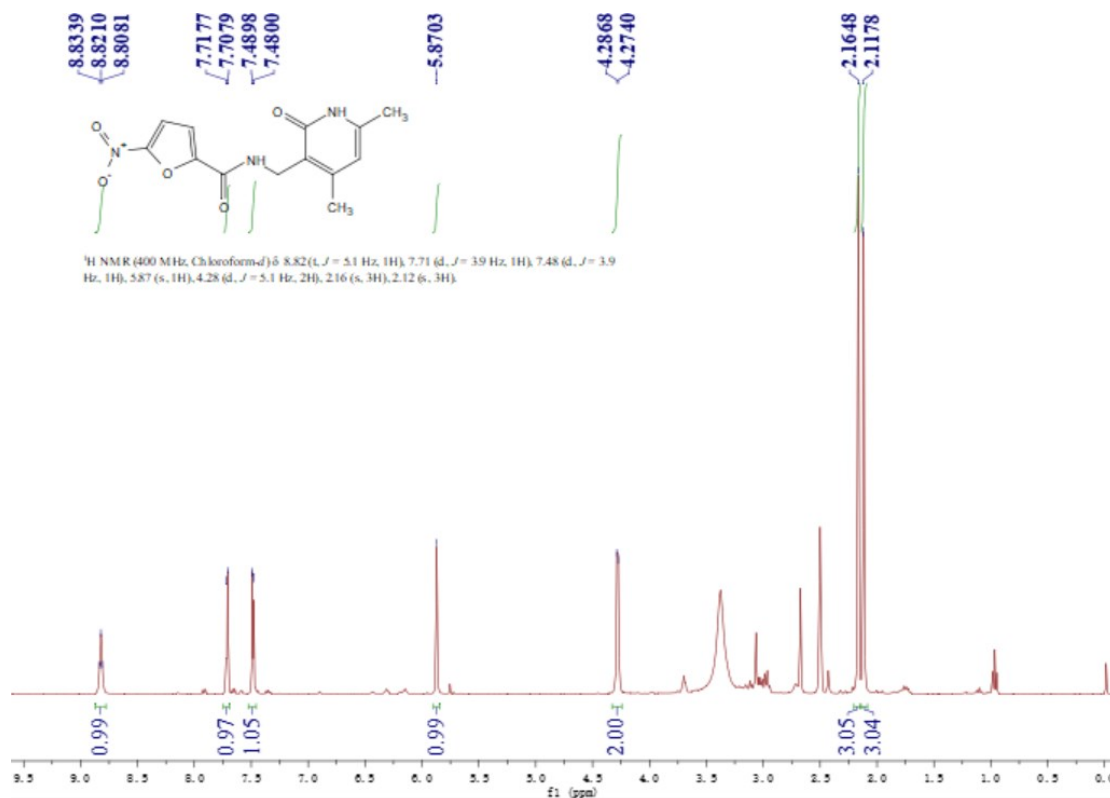
¹H NMR of 3',5'-dimethoxy-*N*-((4-methyl-2-oxo-6-phenyl-1,2-dihydropyridin-3-yl)methyl)-[1,1'-biphenyl]-4-carboxamide (7b2)



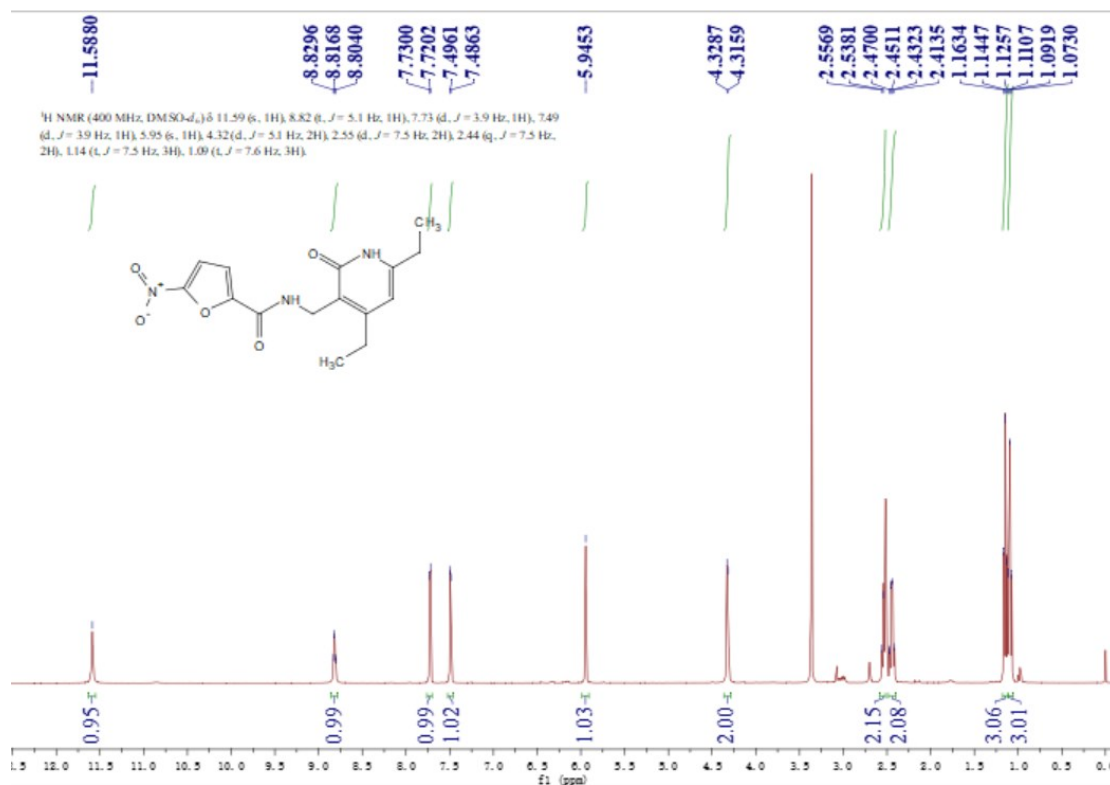
¹H NMR of *N*-((6-methyl-2-oxo-4-(trifluoromethyl)-1,2-dihydropyridin-3-yl)methyl)-6-(trifluoromethyl)nicotinamide (7c1)



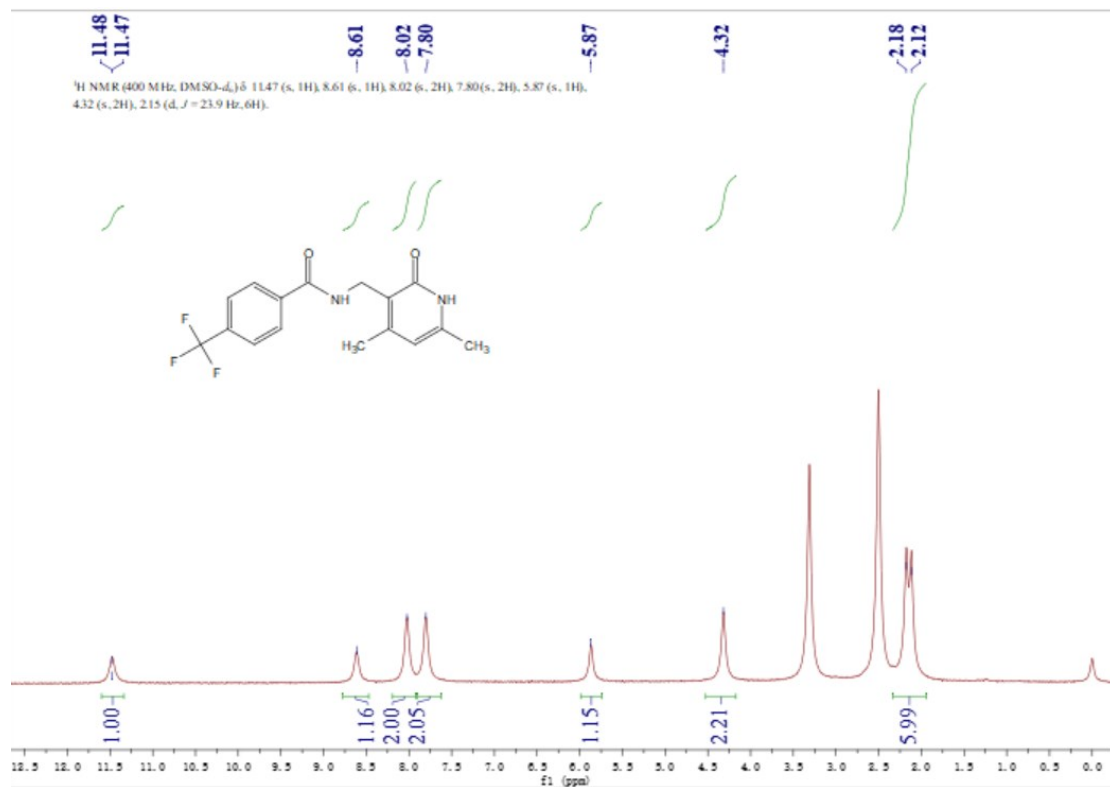
¹H NMR of *N*-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-nitrofurane-2-carboxamide (8a1)



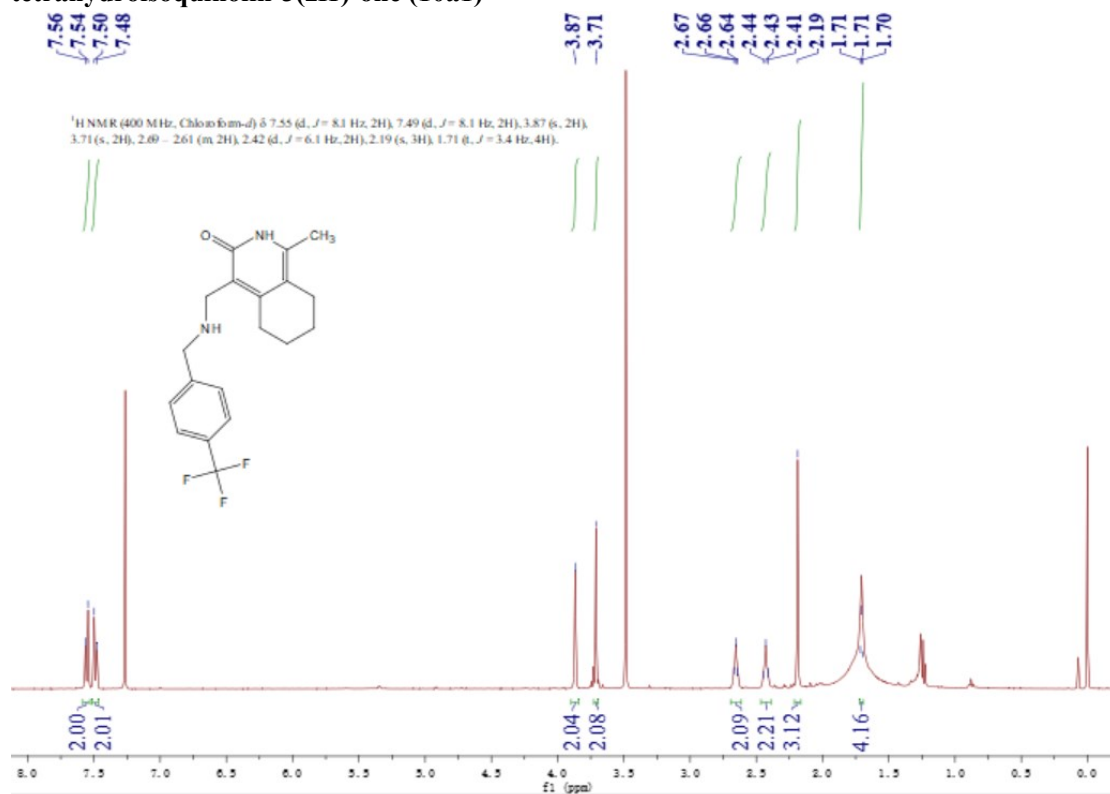
¹H NMR of *N*-((4,6-diethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-nitrofuran-2-carboxamide (8a3)



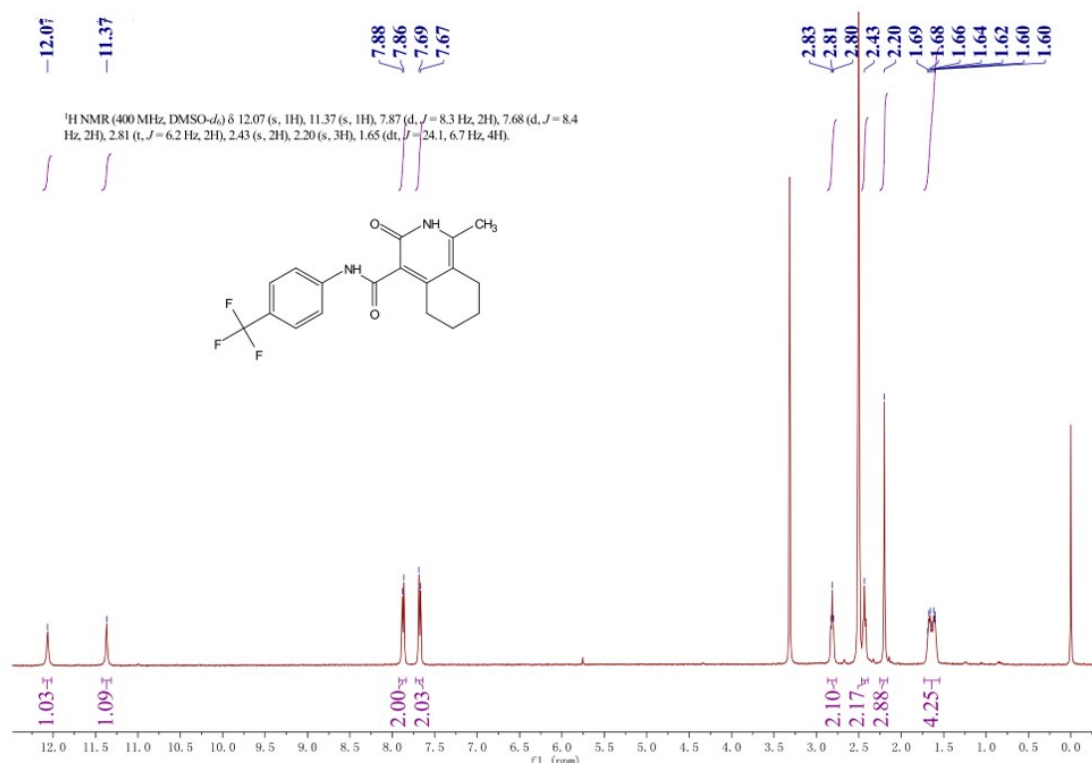
¹H NMR of *N*-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-4-(trifluoromethyl)benzamide (8a4)



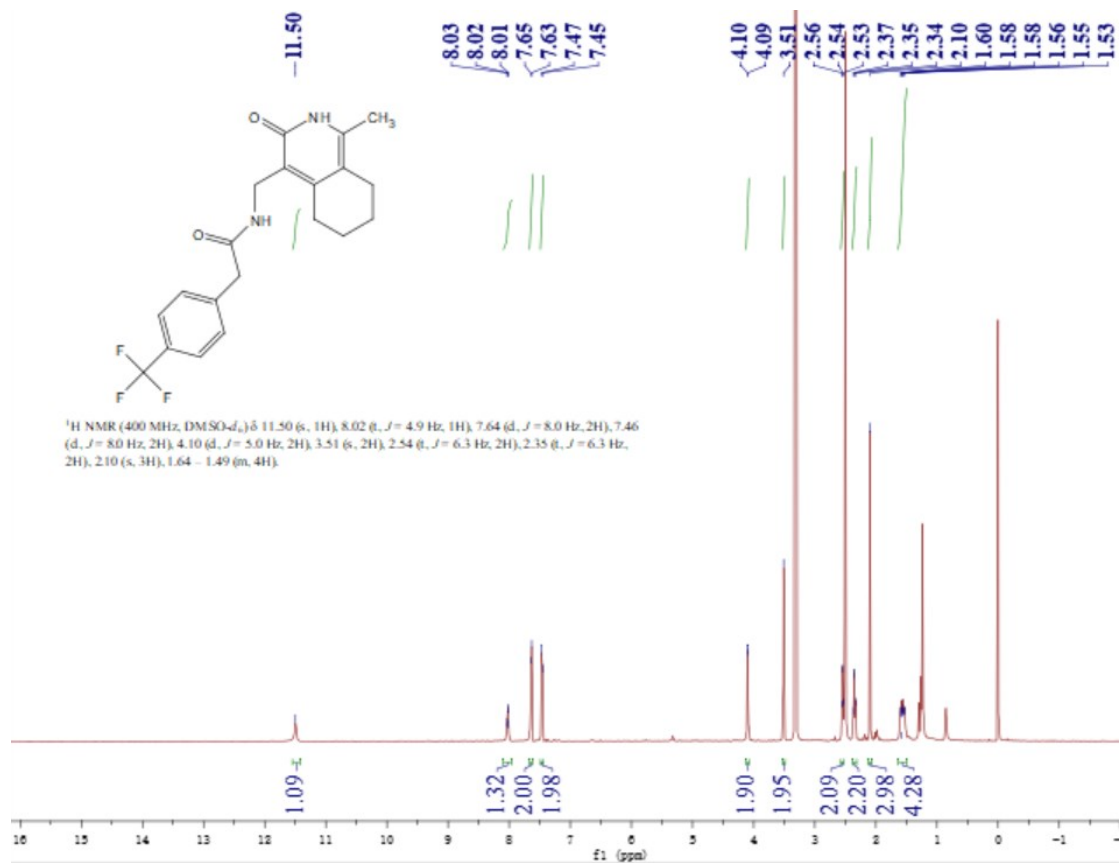
¹H NMR of 1-methyl-4-(((4-(trifluoromethyl)benzyl)amino)methyl)-5,6,7,8-tetrahydroisoquinolin-3(2H)-one (10a1)



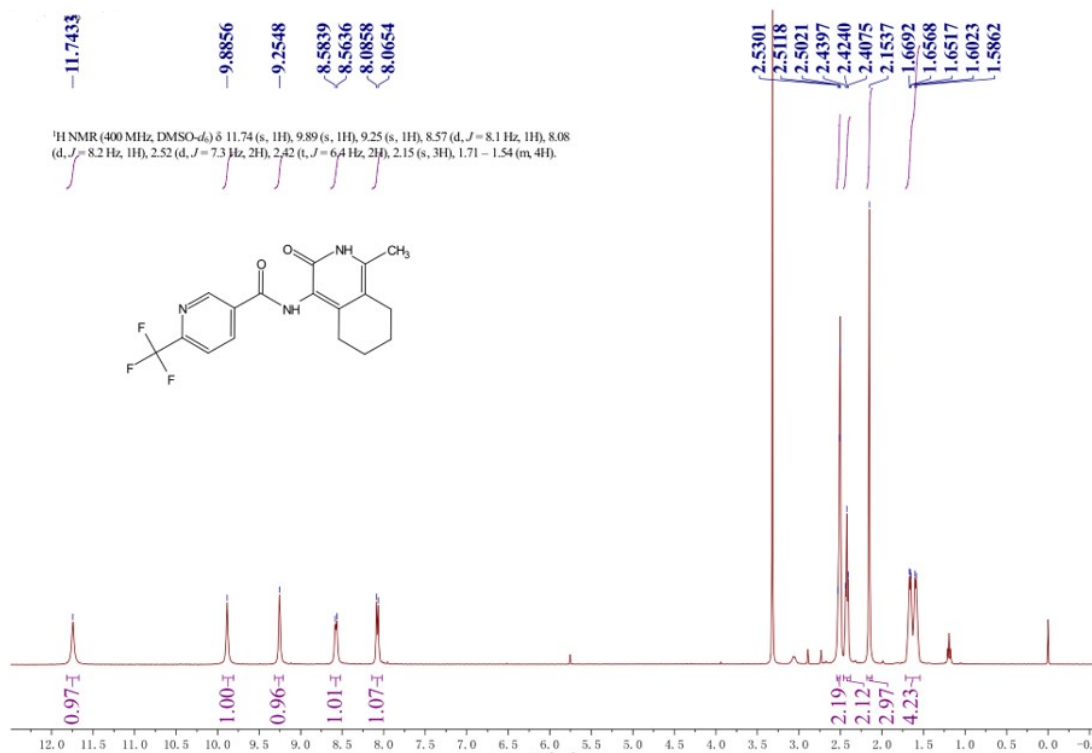
¹H NMR of 1-methyl-3-oxo-N-(4-(trifluoromethyl)phenyl)-2,3,5,6,7,8-hexahydroisoquinoline-4-carboxamide (10a4)



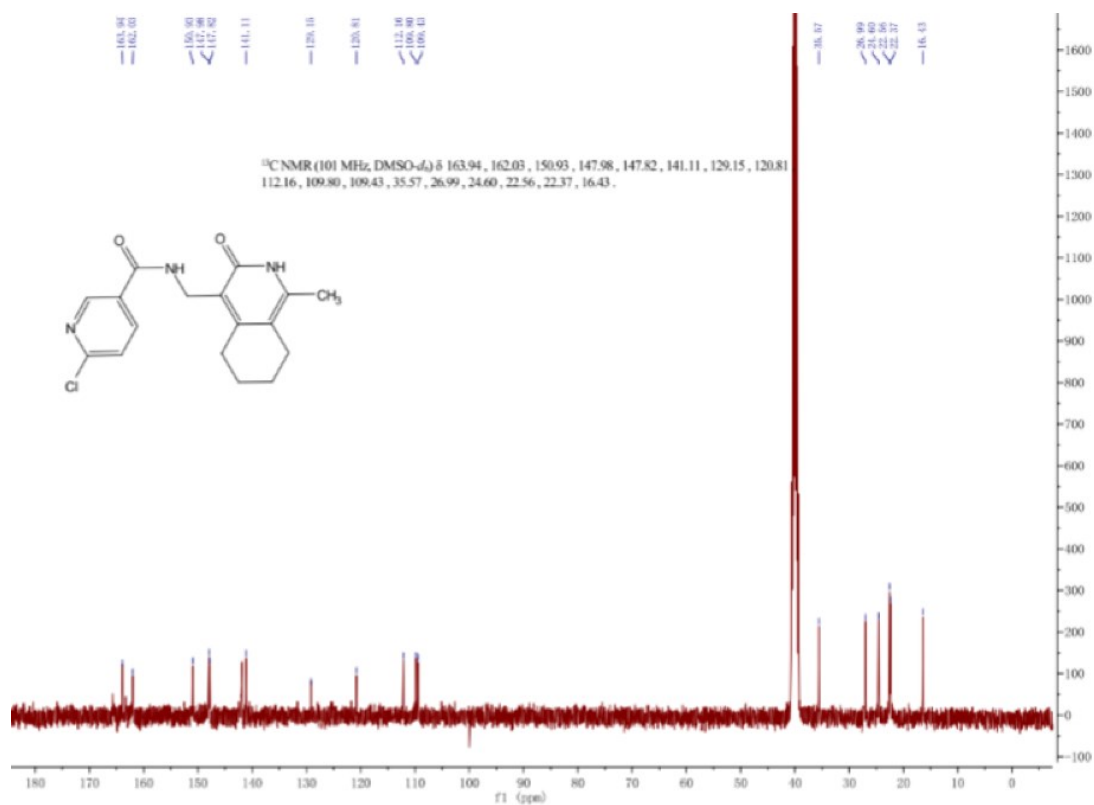
¹H NMR of N-((1-methyl-3-oxo-2,3,5,6,7,8-hexahydroisoquinolin-4-yl)methyl)-2-(4-(trifluoromethyl)phenyl)acetamide (10a5)



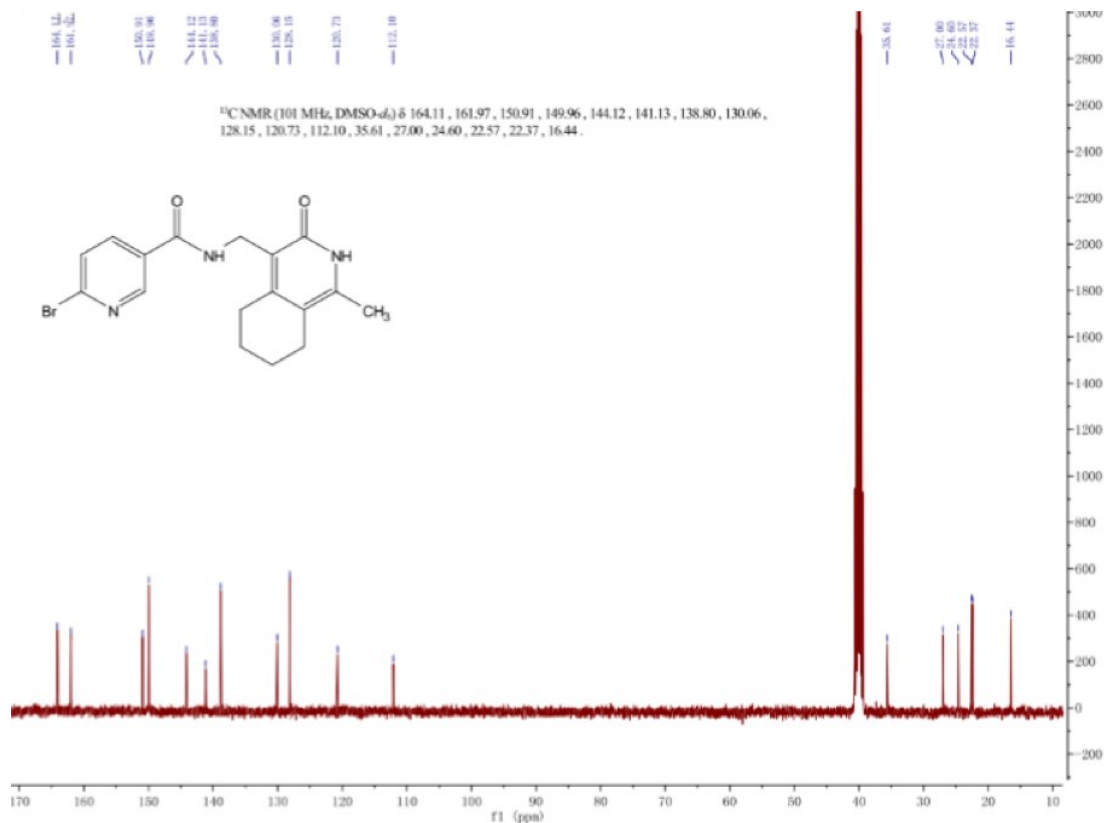
¹H NMR of *N*-(1-methyl-3-oxo-2,3,5,6,7,8-hexahydroisoquinolin-4-yl)-6-(trifluoromethyl)nicotinamide (10a6)



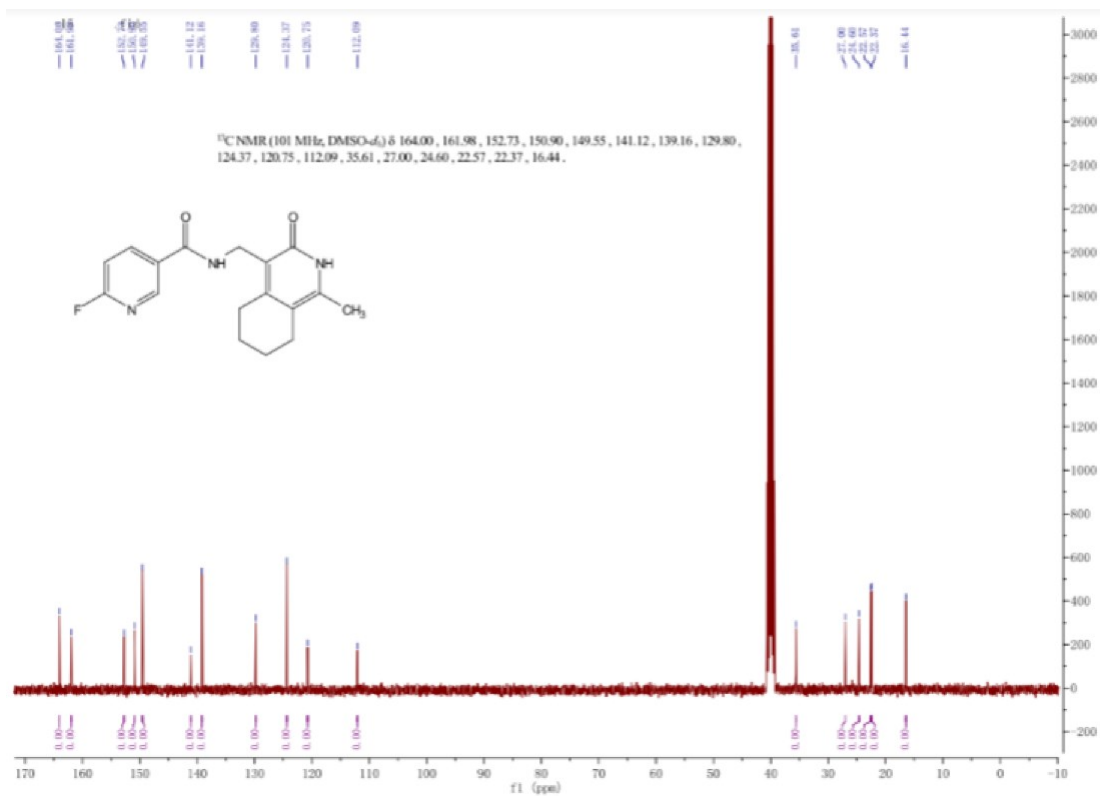
¹³C NMR of 6-chloro-N-((1-methyl-3-oxo-2,3,5,6,7,8-hexahydroisoquinolin-4-yl)methyl)nicotinamide (6b24)



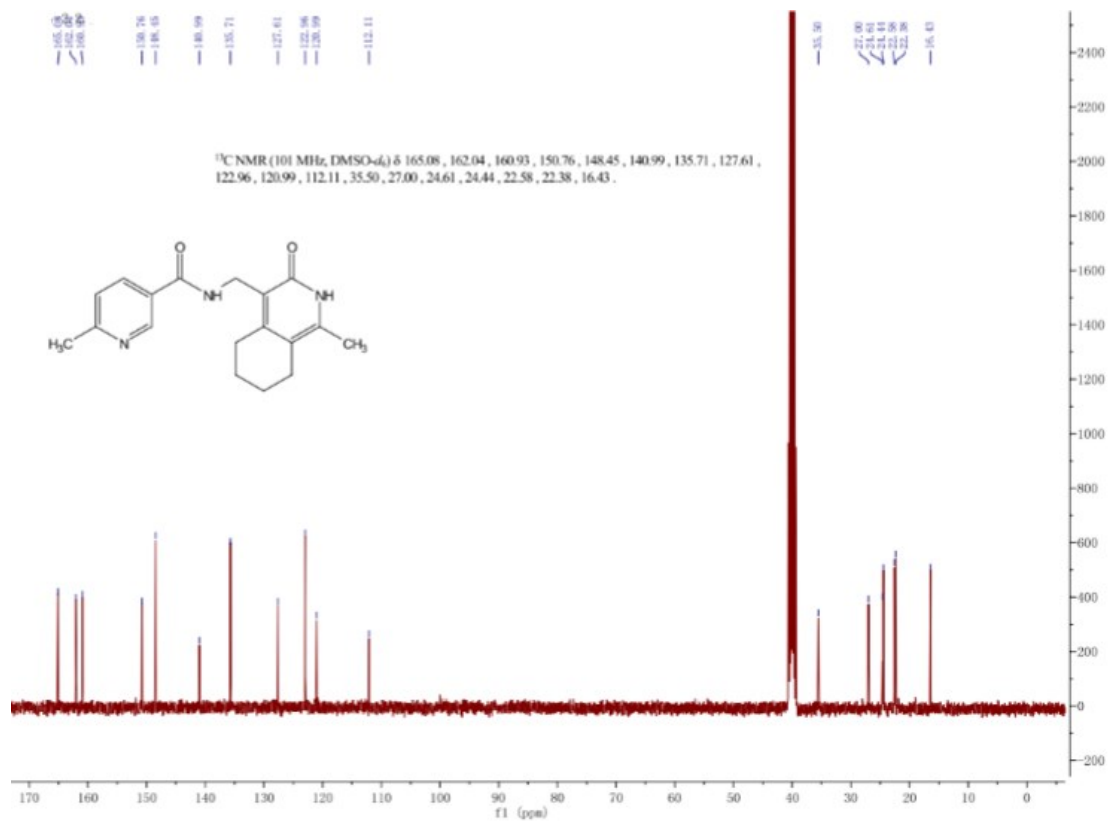
¹³C NMR of 6-bromo-N-((1-methyl-3-oxo-2,3,5,6,7,8-hexahydroisoquinolin-4-yl)methyl)nicotinamide (6b25)



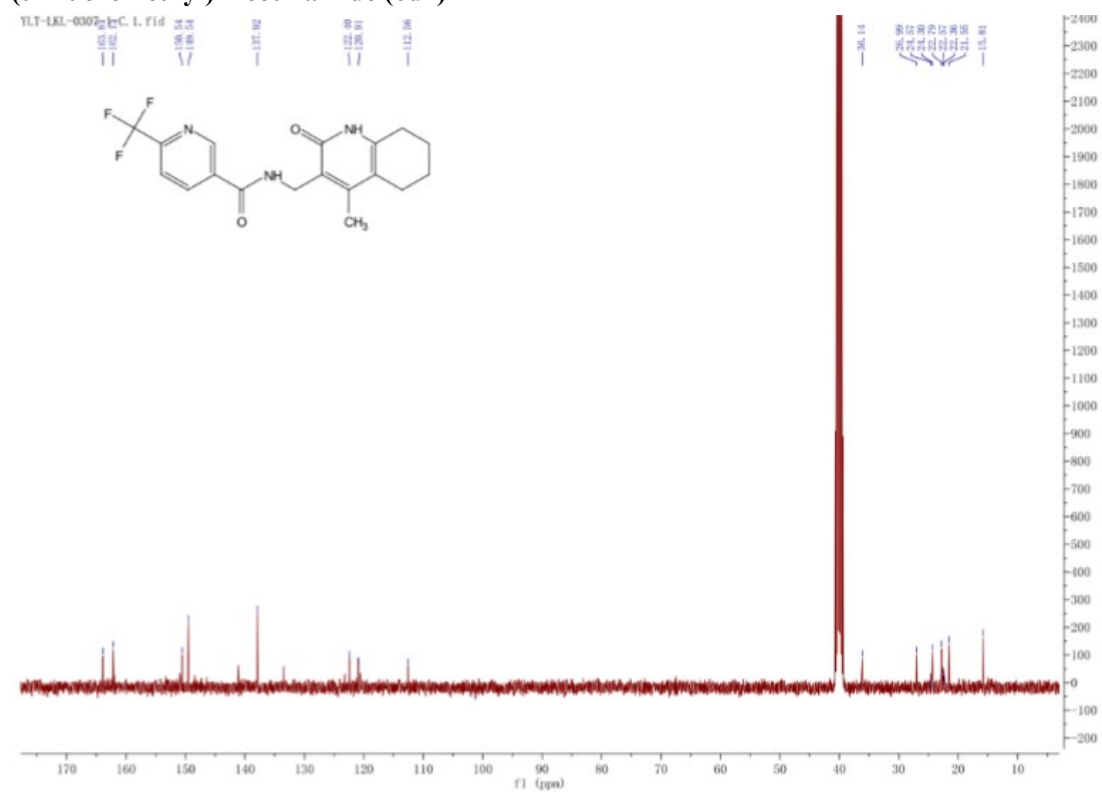
¹³C NMR of 6-fluoro-N-((1-methyl-3-oxo-2,3,5,6,7,8-hexahydroisoquinolin-4-yl)methyl)nicotinamide (6b26)



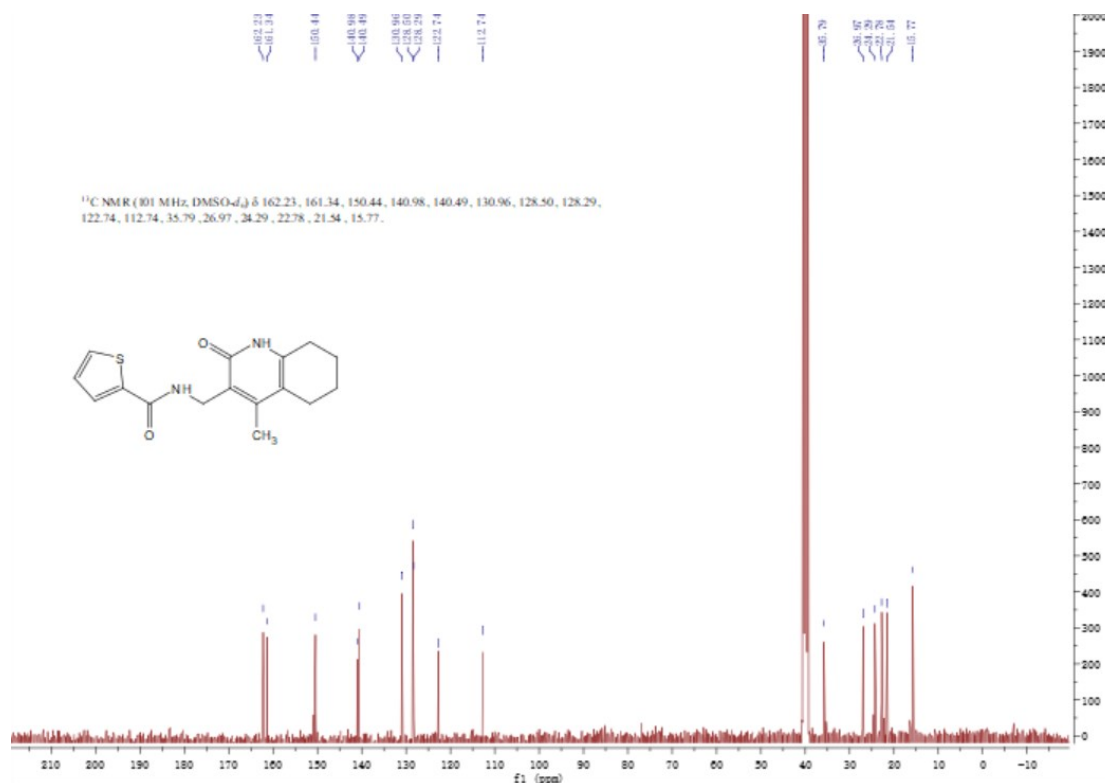
¹³C NMR of 6-methyl-N-((1-methyl-3-oxo-2,3,5,6,7,8-hexahydroisoquinolin-4-yl)methyl)nicotinamide (6b27)



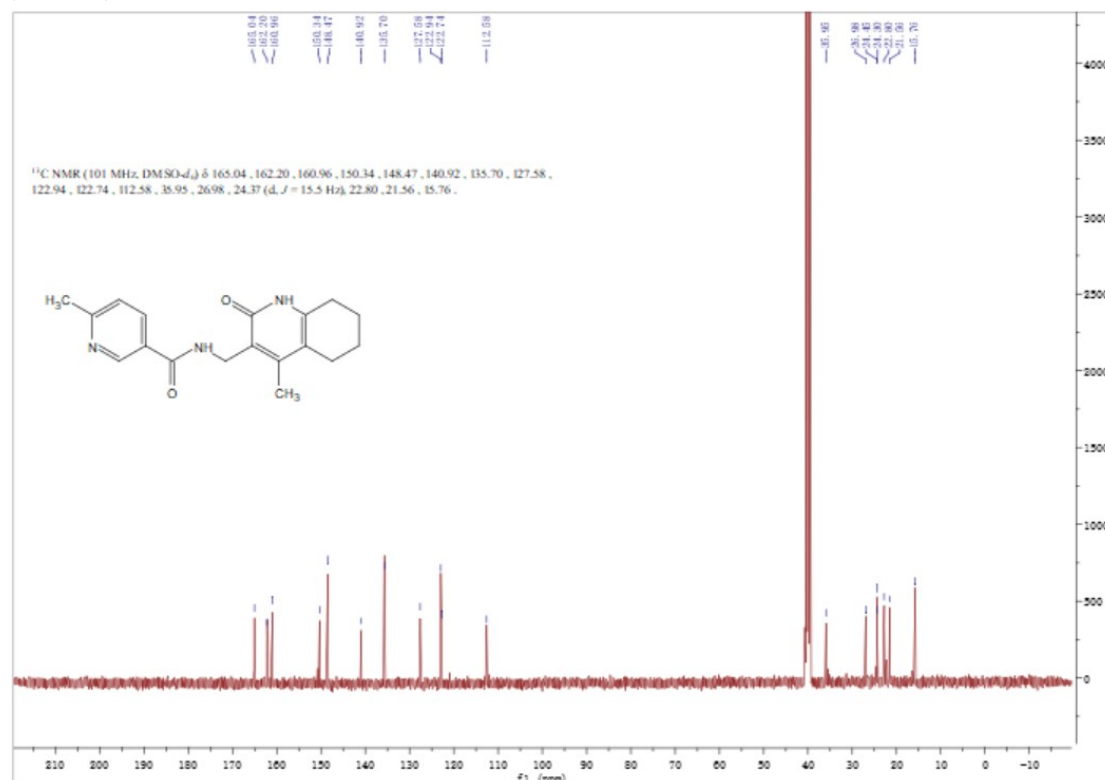
^{13}C NMR of *N*-((4-methyl-2-oxo-1,2,5,6,7,8-hexahydroquinolin-3-yl)methyl)-6-(trifluoromethyl) nicotinamide (6d1)



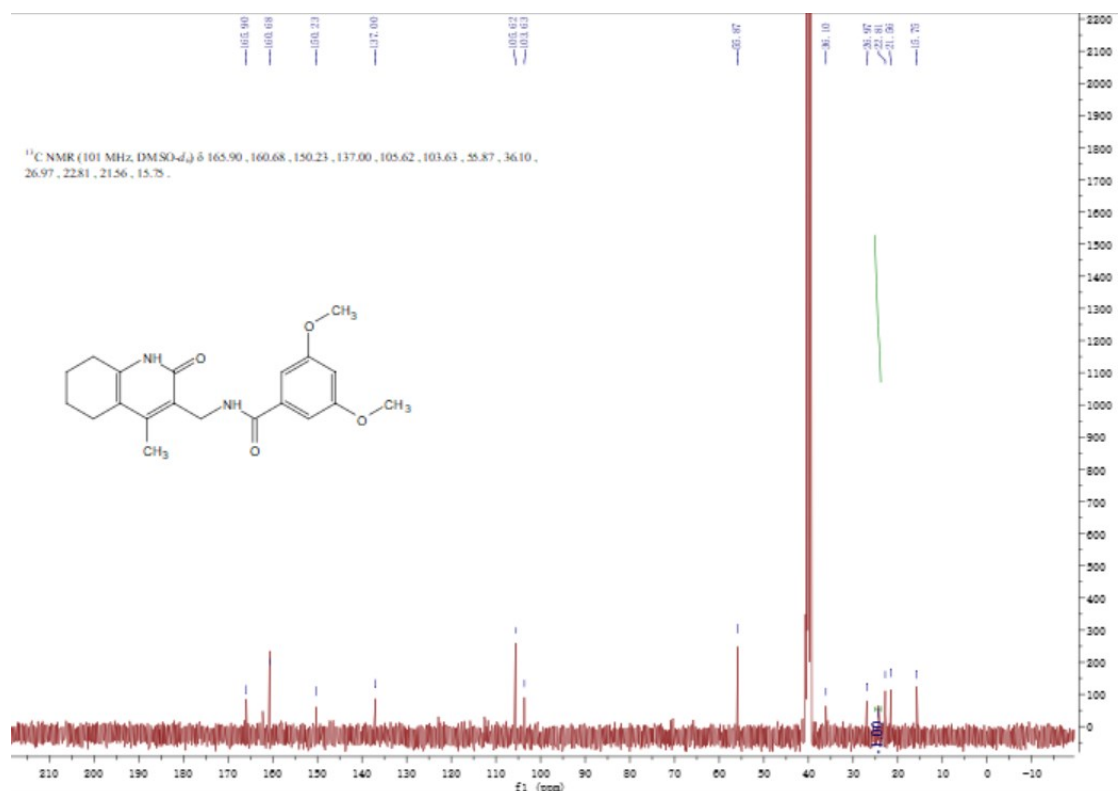
^{13}C NMR of *N*-((4-methyl-2-oxo-1,2,5,6,7,8-hexahydroquinolin-3-yl)methyl)thiophene-2-carboxamide (6d2)



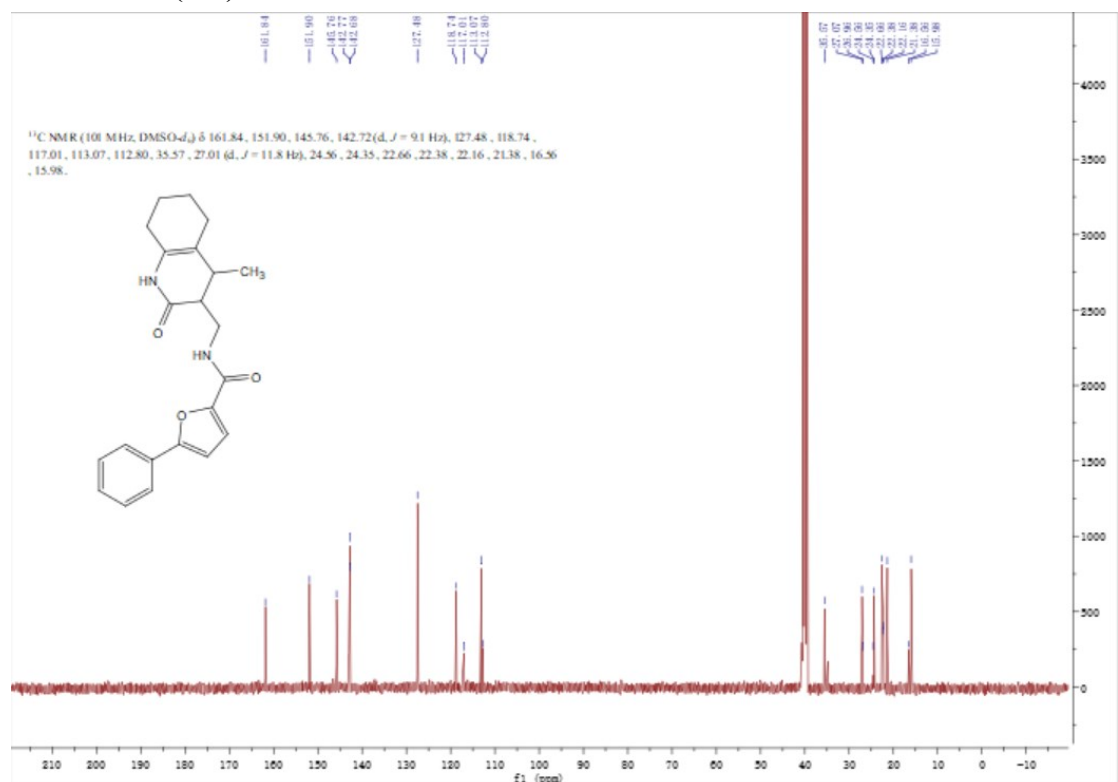
¹³C NMR of 6-methyl-N-((4-methyl-2-oxo-1,2,5,6,7,8-hexahydroquinolin-3-yl)methyl)nicotinamide (6d3)



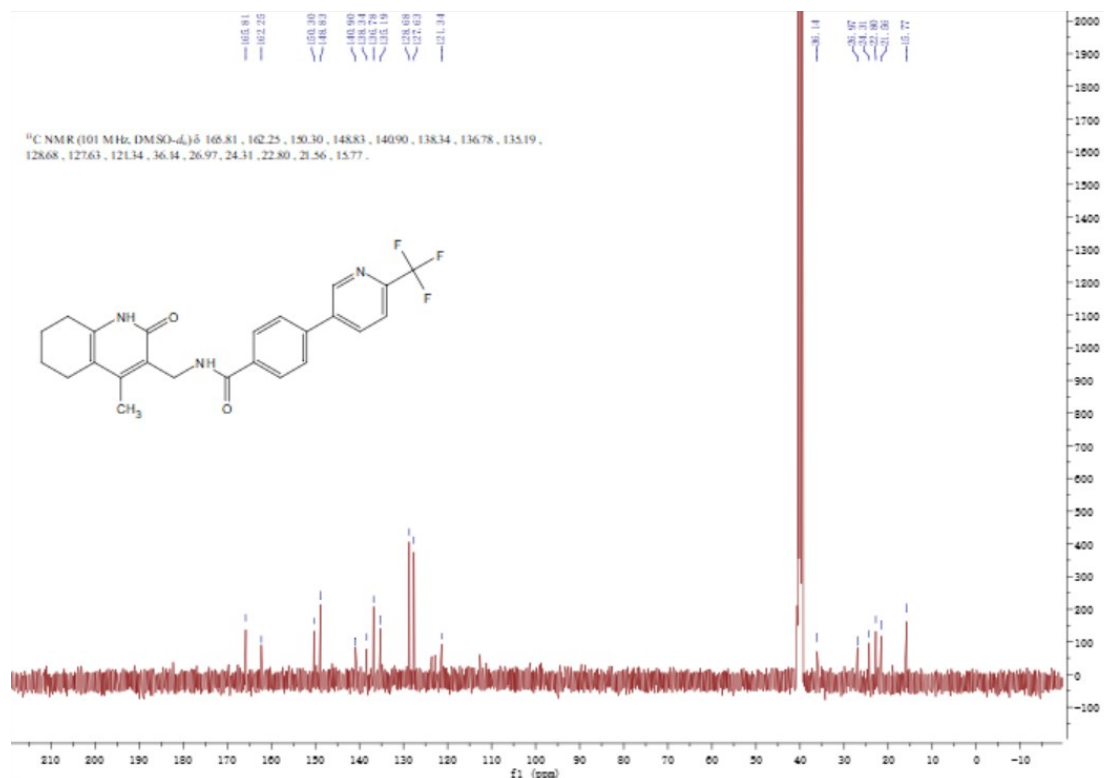
¹³C NMR of 3,5-dimethoxy-N-((4-methyl-2-oxo-1,2,5,6,7,8-hexahydroquinolin-3-yl)methyl)benzamide (6d6)



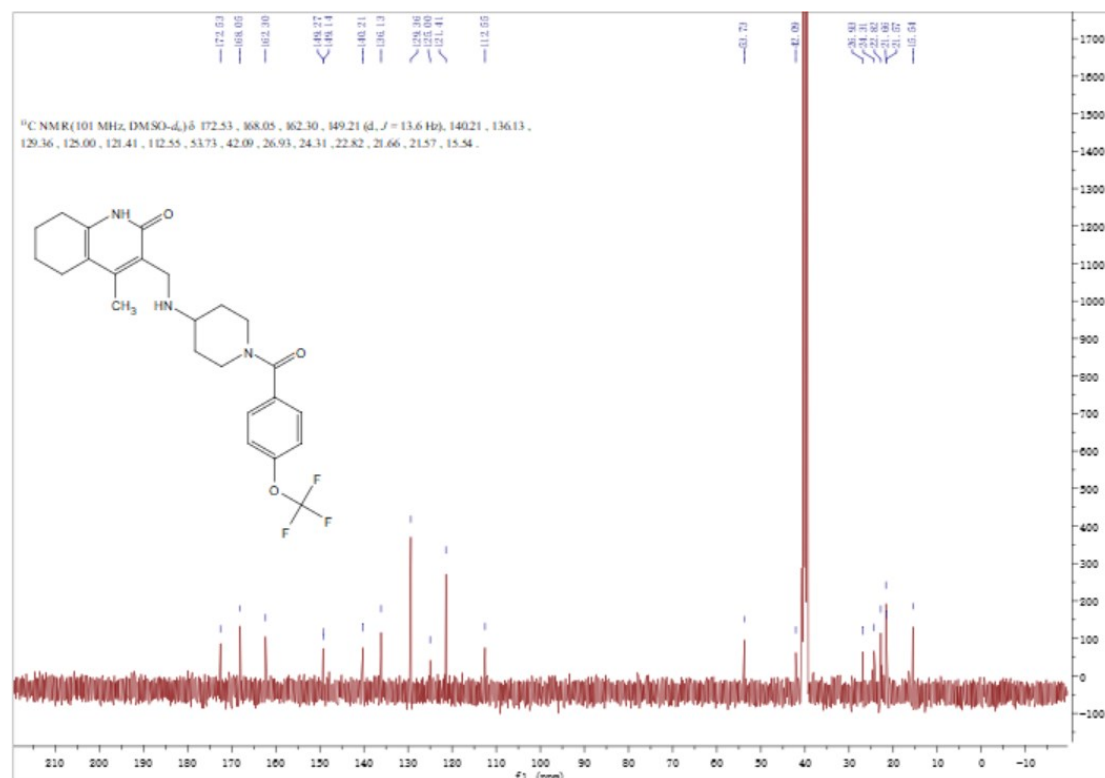
¹³C NMR of *N*-((4-methyl-2-oxo-1,2,5,6,7,8-hexahydroquinolin-3-yl)methyl)-5-phenylfuran-2-carboxamide (6d8)



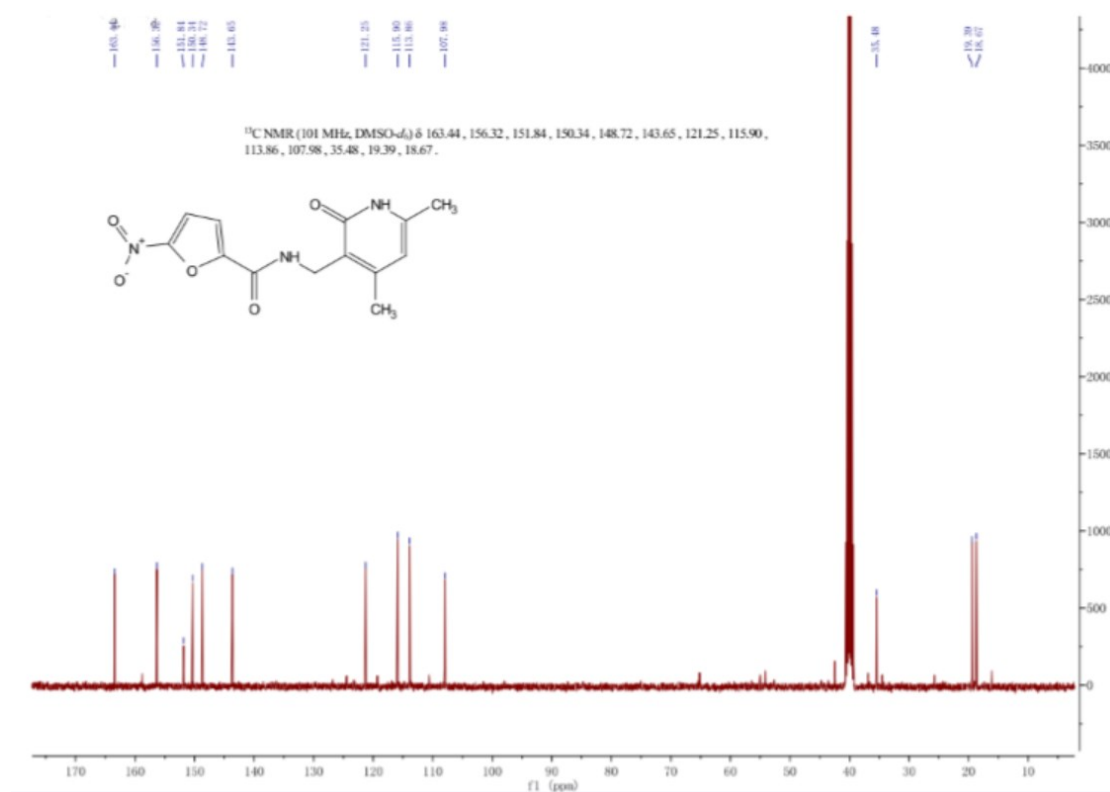
¹³C NMR of *N*-((4-methyl-2-oxo-1,2,5,6,7,8-hexahydroquinolin-3-yl)methyl)-4-(6-(trifluoromethyl)pyridin-3-yl)benzamide (6d9)



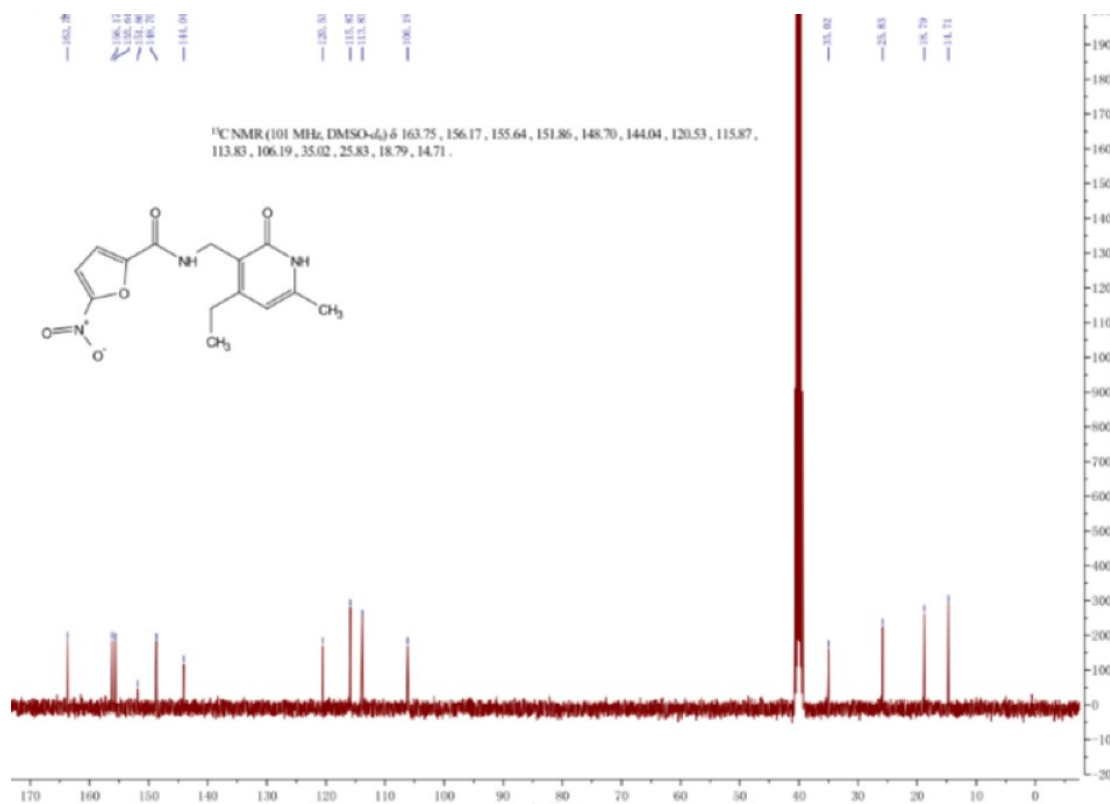
¹³C NMR of 4-methyl-3-(((1-(4-(trifluoromethoxy)benzoyl)piperidin-4-yl)amino)methyl)-5,6,7,8-tetrahydroquinolin-2(1*H*)-one (6d10)



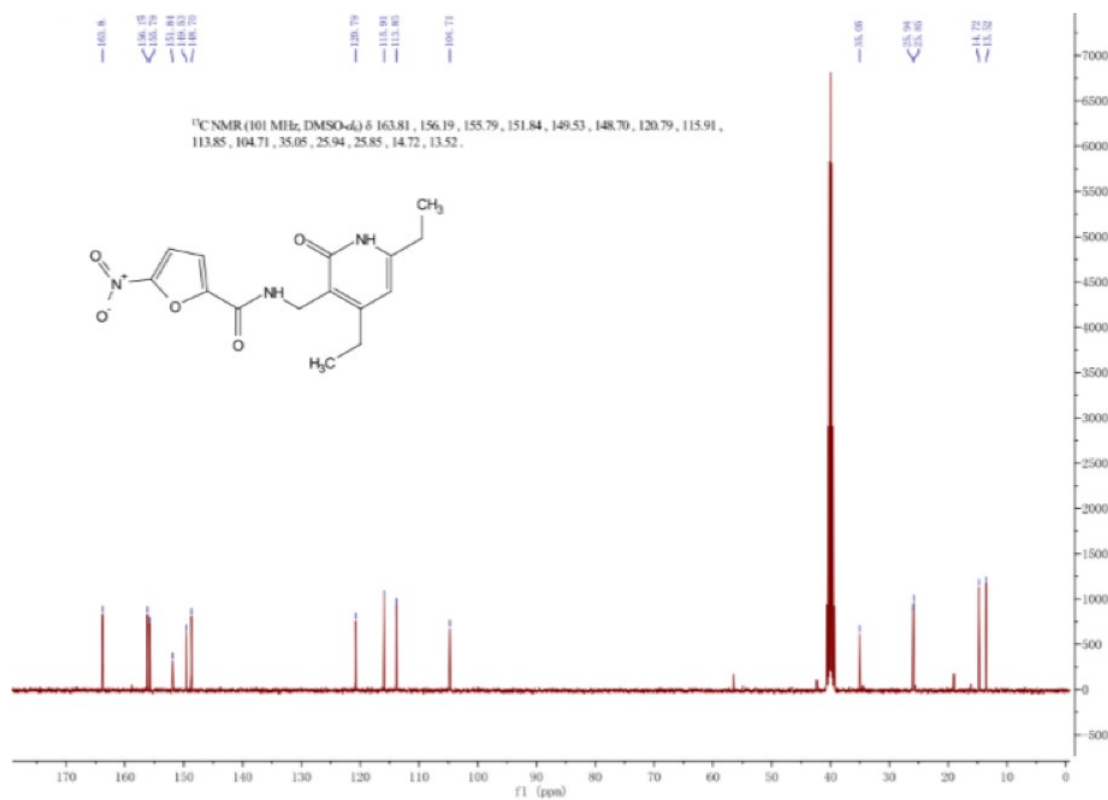
¹³C NMR of *N*-((4,6-dimethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-nitrofur-2-carboxamide (8a1)



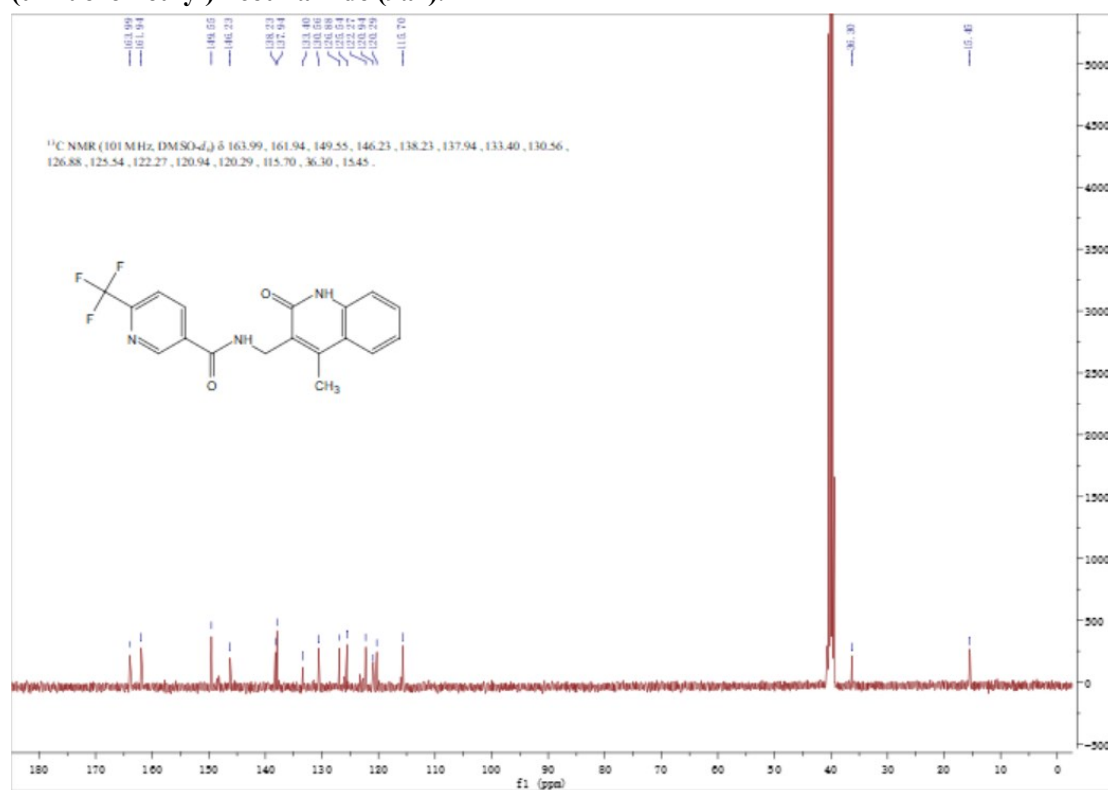
¹³C NMR of *N*-((6-ethyl-4-methyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-nitrofurane-2-carboxamide (8a2)



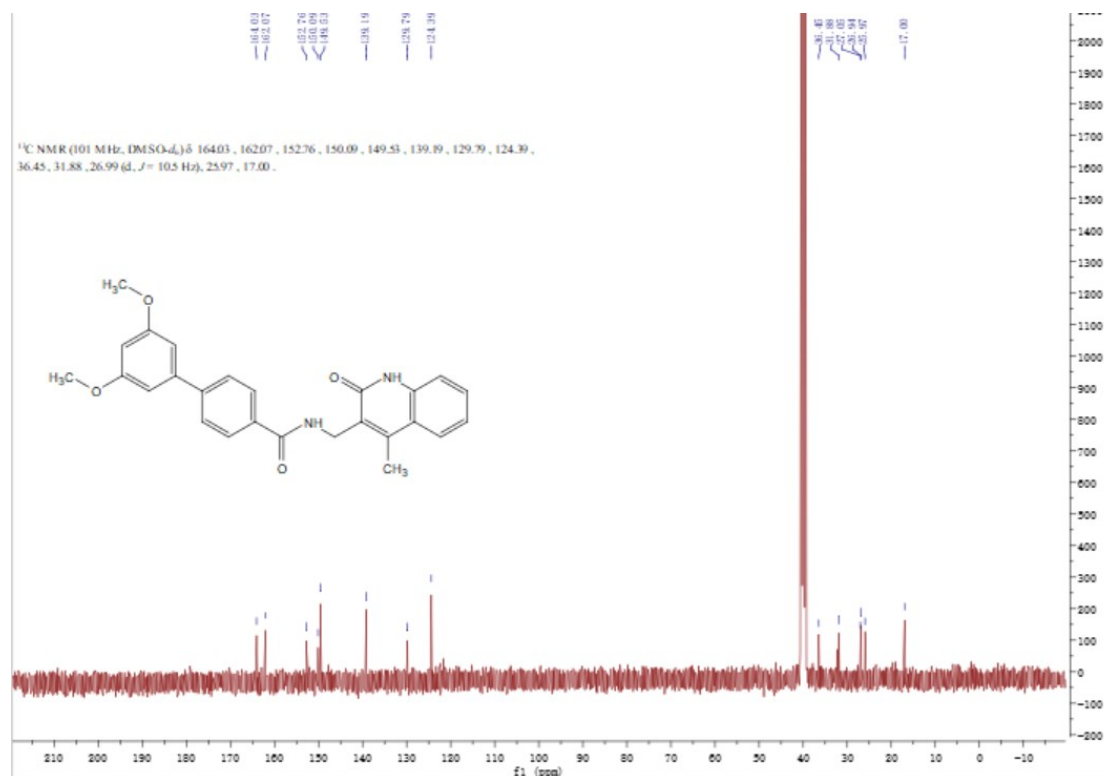
¹³C NMR of *N*-((4,6-diethyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-5-nitrofurane-2-carboxamide (8a3)



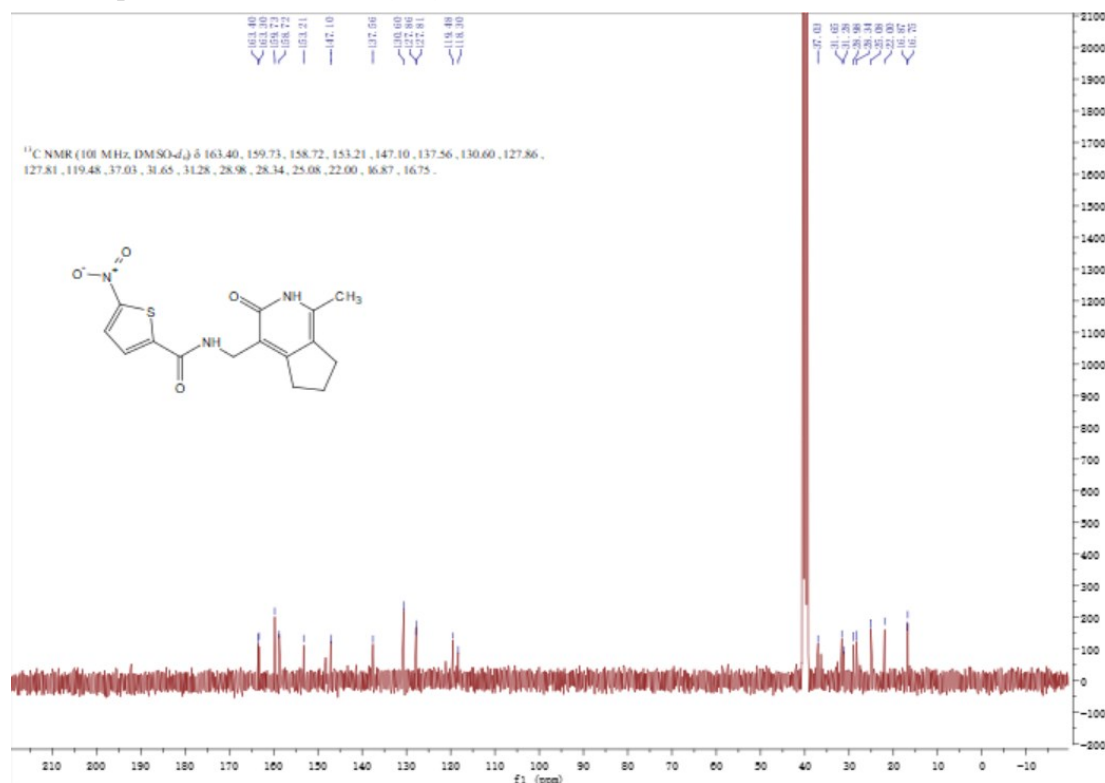
¹³C NMR of *N*-((4-methyl-2-oxo-1,2-dihydroquinolin-3-yl)methyl)-6-(trifluoromethyl)nicotinamide (9a1).



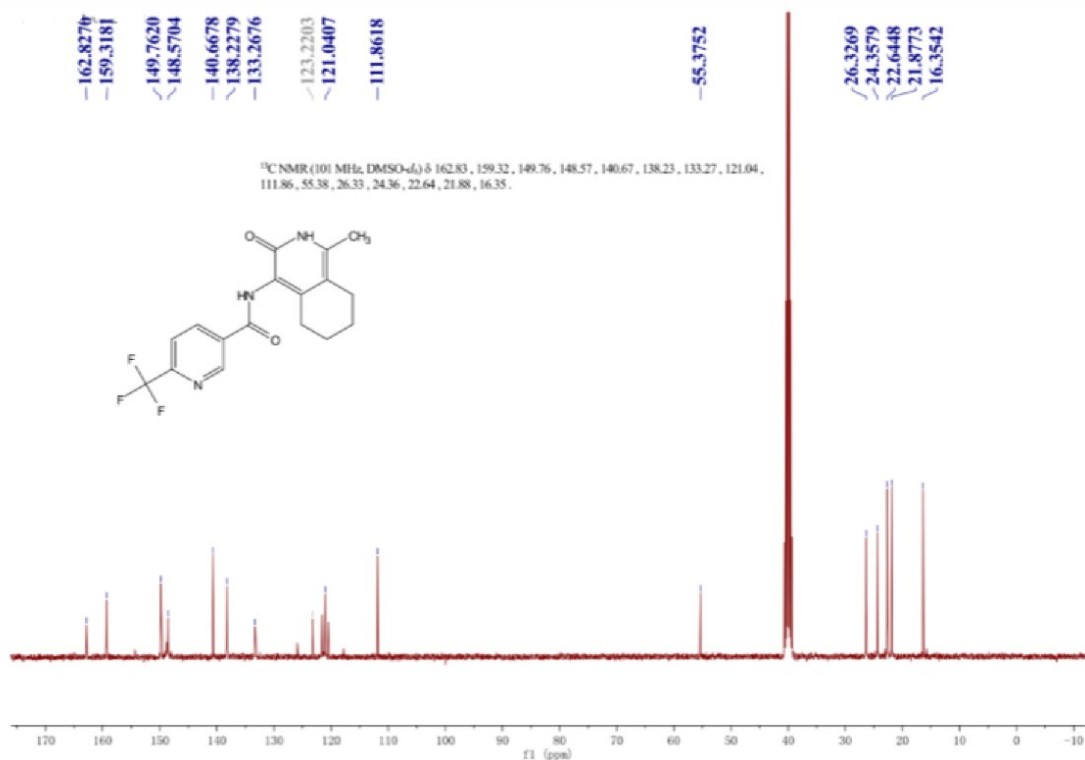
¹³C NMR of 3',5'-dimethoxy-*N*-((4-methyl-2-oxo-1,2-dihydroquinolin-3-yl)methyl)-[1,1'-biphenyl]-4-carboxamide (9a2)



¹³C NMR of *N*-((1-methyl-3-oxo-3,5,6,7-tetrahydro-2H-cyclopenta[*c*]pyridin-4-yl)methyl)-5-nitrothiophene-2-carboxamide (6a1)

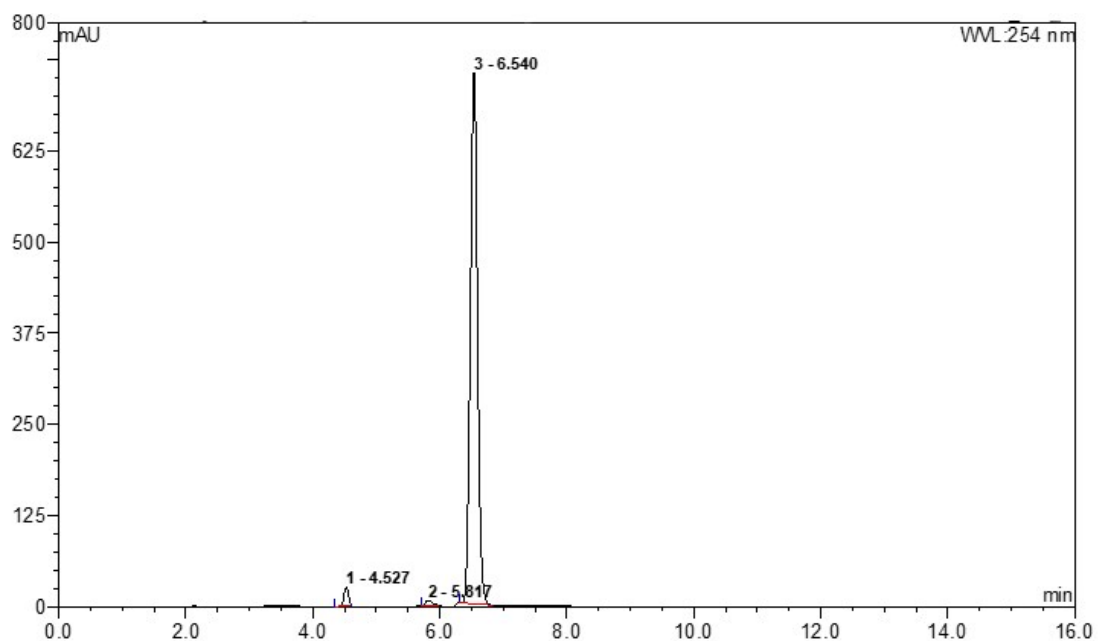


¹³C NMR of *N*-(1-methyl-3-oxo-2,3,5,6,7,8-hexahydroisquinolin-4-yl)-6-(trifluoromethyl)nicotinamide (10a6)



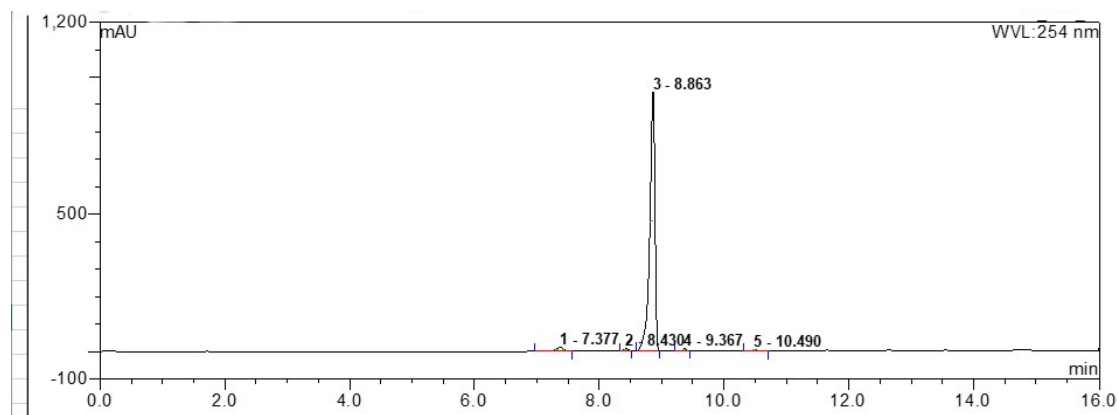
HPLC purity of compounds

3',5'-dimethoxy-N-((1-methyl-3-oxo-2,3,5,6,7,8-hexahydroisoquinolin-4-yl)methyl)-[1,1'-biphenyl]-4-carboxamide (6b6)



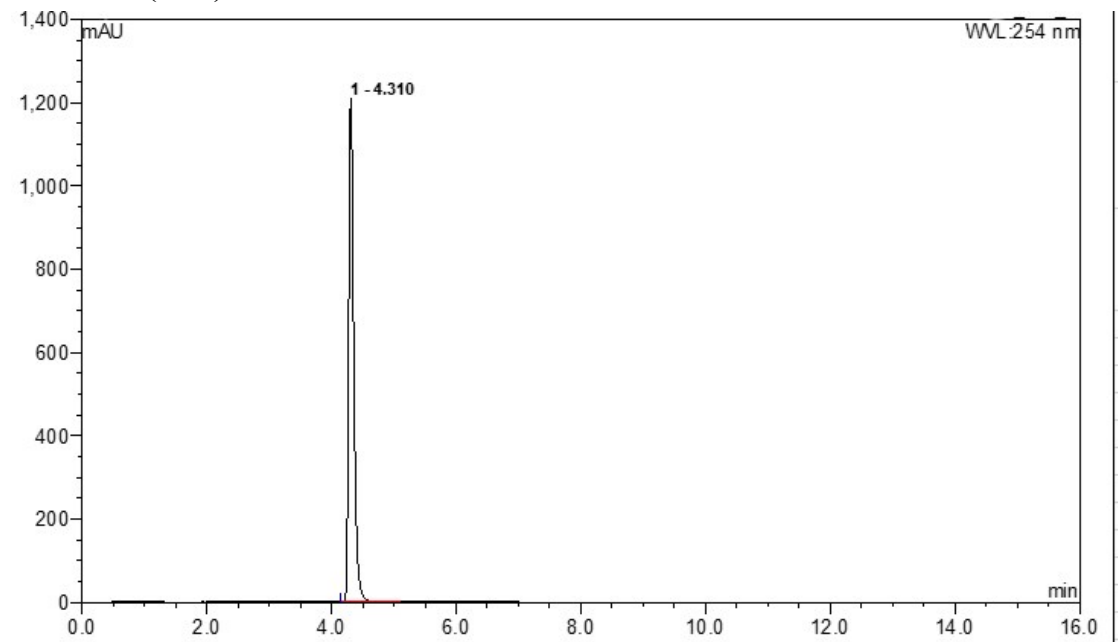
No.	Ret. Time min	Peak Name	Height mAU	Area mAU*min	Rel. Area %	Amount	Type
1	4.53	n.a.	24.569	1.910	1.96	n.a.	BMB*
2	5.82	n.a.	7.491	0.875	0.90	n.a.	BMB*
3	6.54	n.a.	727.897	94.526	97.14	n.a.	BMB*
Total:			759.957	97.311	100.00	0.000	

3'-methoxy-5'-methyl-N-((1-methyl-3-oxo-2,3,5,6,7,8-hexahydroisoquinolin-4-yl)methyl)-[1,1'-biphenyl]-4-carboxamide (6b9)



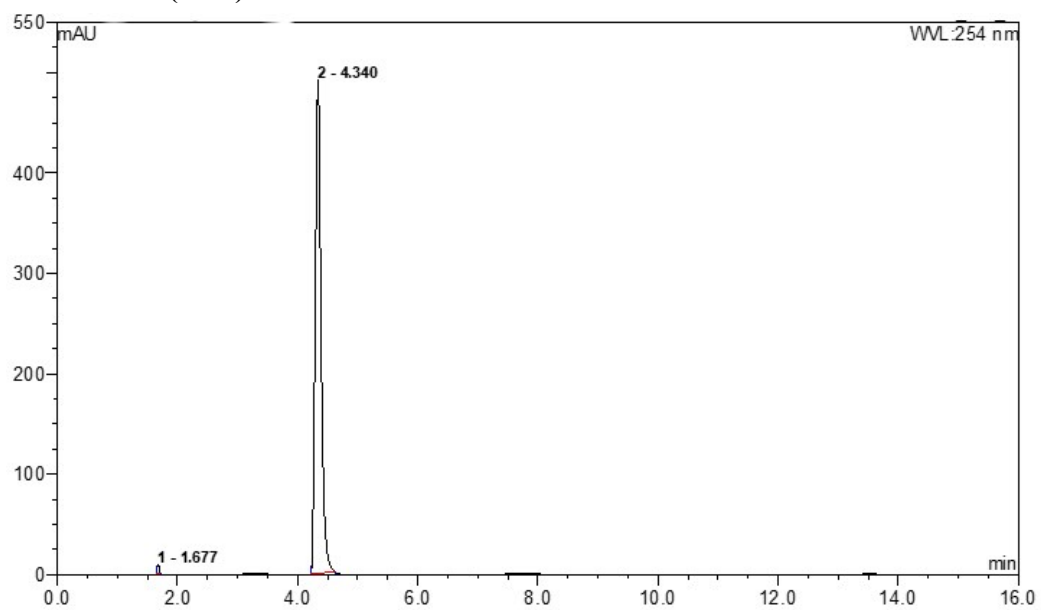
No.	Ret. Time min	Peak Name	Height mAU	Area mAU*min	Rel.Area %	Amount	Type
1	7.38	n.a.	14.005	2.442	2.59	n.a.	BMB
2	8.43	n.a.	7.617	0.569	0.60	n.a.	BMB
3	8.86	n.a.	941.827	90.282	95.67	n.a.	BMB
4	9.37	n.a.	8.035	0.568	0.60	n.a.	BMB
5	10.49	n.a.	5.616	0.511	0.54	n.a.	BMB
Total:			977.100	94.372	100.00	0.000	

N-((1-methyl-3-oxo-2,3,5,6,7,8-hexahydroisoquinolin-4-yl)methyl)-4-(trifluoromethyl)benzamide (6b12)



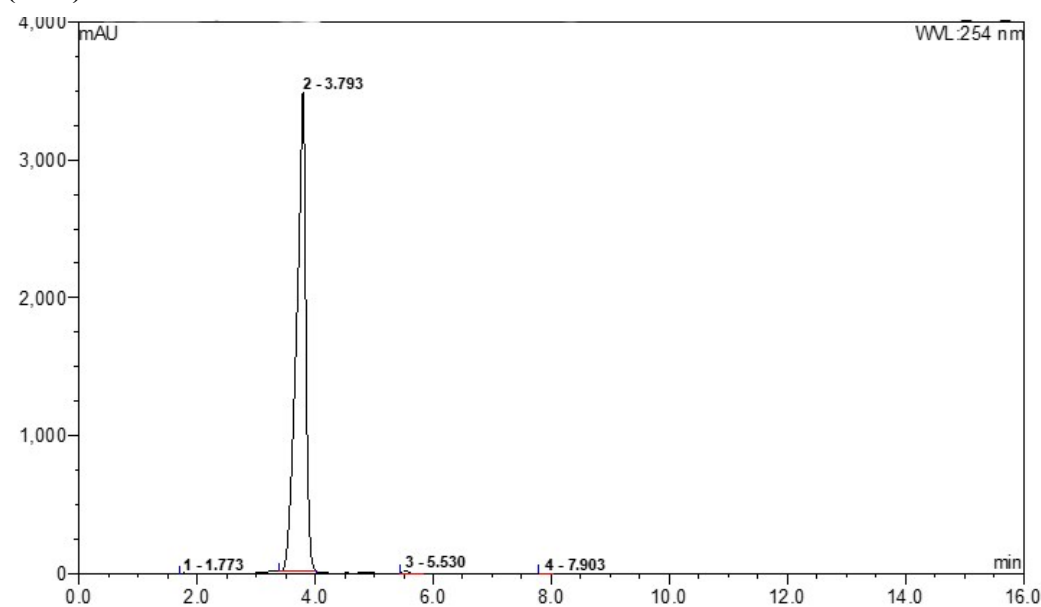
No.	Ret. Time min	Peak Name	Height mAU	Area mAU*min	Rel.Area %	Amount	Type
1	4.31	n.a.	1210.629	113.528	100.00	n.a.	BMB
Total:			1210.629	113.528	100.00	0.000	

***N*-((1-methyl-3-oxo-2,3,5,6,7,8-hexahydroisoquinolin-4-yl)methyl)-6-(trifluoromethyl)nicotinamide (6b21)**



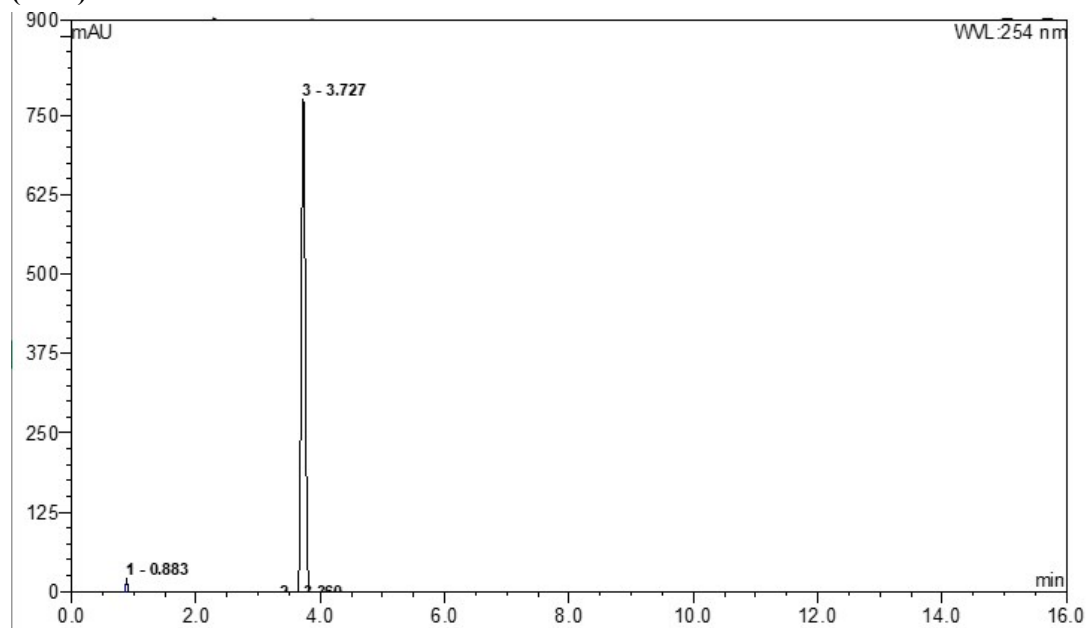
No.	Ret. Time min	Peak Name	Height mAU	Area mAU*min	Rel. Area %	Amount	Type
1	1.68	n.a.	8.097	0.327	0.59	n.a.	BMB*
2	4.34	n.a.	490.754	54.966	99.41	n.a.	BMB*
Total:			498.851	55.293	100.00	0.000	

6-chloro-*N*-((1-methyl-3-oxo-2,3,5,6,7,8-hexahydroisoquinolin-4-yl)methyl)nicotinamide (6b24)



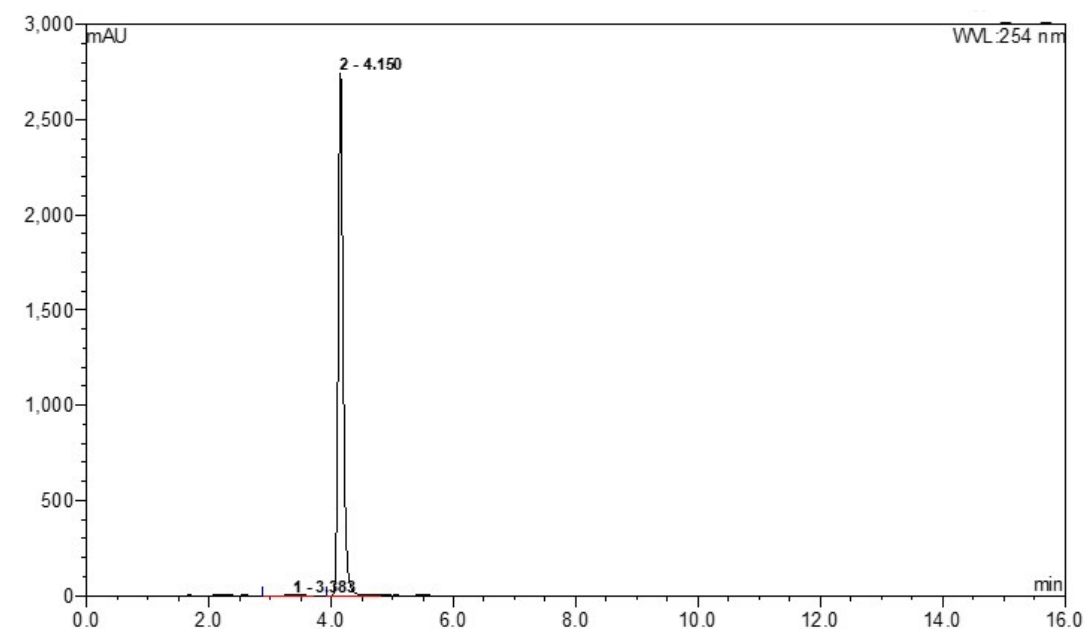
No.	Ret. Time min	Peak Name	Height mAU	Area mAU*min	Rel. Area %	Amount	Type
1	1.77	n.a.	2.672	0.142	0.02	n.a.	BMB*
2	3.79	n.a.	3477.248	627.732	99.64	n.a.	BMB*
3	5.53	n.a.	19.774	1.948	0.31	n.a.	BMB*
4	7.90	n.a.	1.201	0.154	0.02	n.a.	BMB*
Total:			3500.895	629.977	100.00	0.000	

6-bromo-*N*-((1-methyl-3-oxo-2,3,5,6,7,8-hexahydroisoquinolin-4-yl)methyl)nicotinamide (6b25)



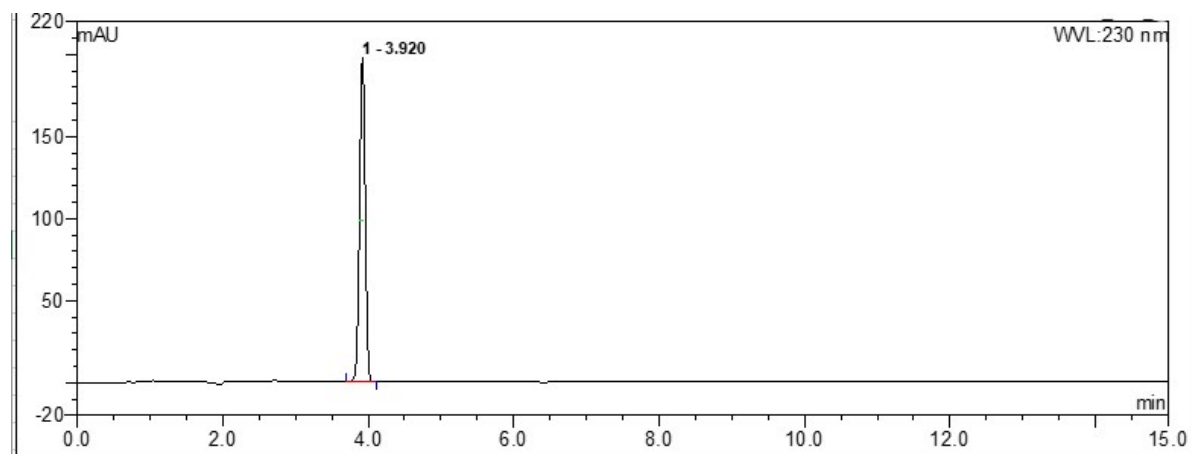
No.	Ret.Time min	Peak Name	Height mAU	Area mAU*min	Rel.Area %	Amount	Type
1	0.88	n.a.	25.614	0.484	0.77	n.a.	BMB*
2	3.36	n.a.	5.794	0.890	1.42	n.a.	BMB*
3	3.73	n.a.	798.377	61.312	97.81	n.a.	BMB*
Total:			829.785	62.685	100.00	0.000	

6-fluoro-*N*-((1-methyl-3-oxo-2,3,5,6,7,8-hexahydroisoquinolin-4-yl)methyl)nicotinamide (6b26).



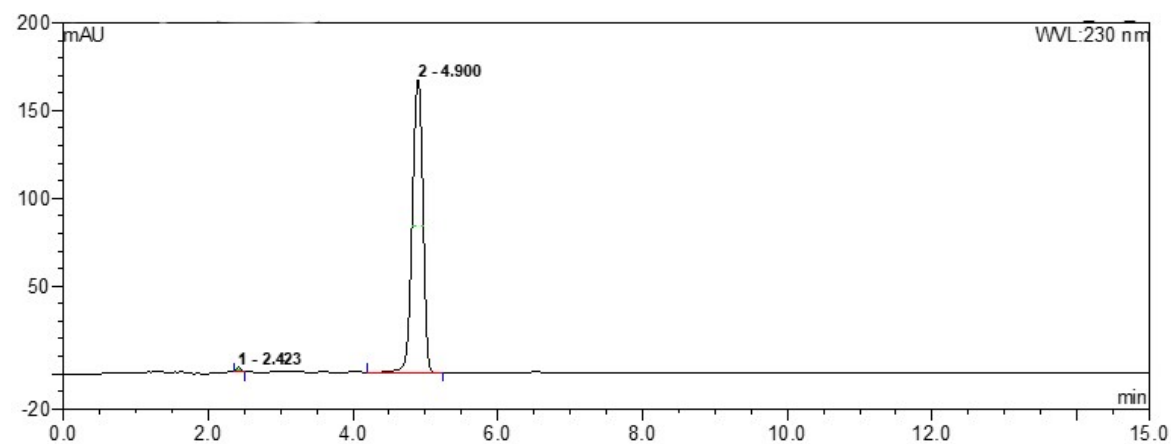
No.	Ret.Time min	Peak Name	Height mAU	Area mAU*min	Rel.Area %	Amount	Type
1	3.38	n.a.	1.646	0.624	0.24	n.a.	BMB
2	4.15	n.a.	2745.863	256.932	99.76	n.a.	BMB
Total:			2747.509	257.556	100.00	0.000	

**6-methyl-N-((1-methyl-3-oxo-2,3,5,6,7,8-hexahydroisoquinolin-4-yl)methyl)nicotinamide
(6b27).**



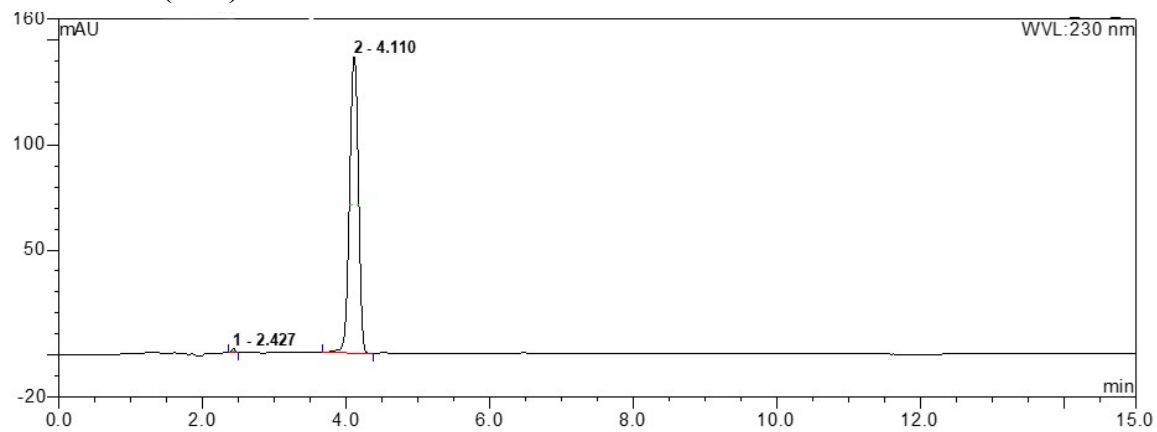
No.	Ret. Time min	Peak Name	Height mAU	Area mAU*min	Rel. Area %	Amount	Type
1	3.92	n.a.	197.214	17.740	100.00	n.a.	BMB
Total:			197.214	17.740	100.00	0.000	

**N-((1-methyl-3-oxo-2,3,5,6,7,8-hexahydroisoquinolin-4-yl)methyl)-6-nitronicotinamide
(6b28)**



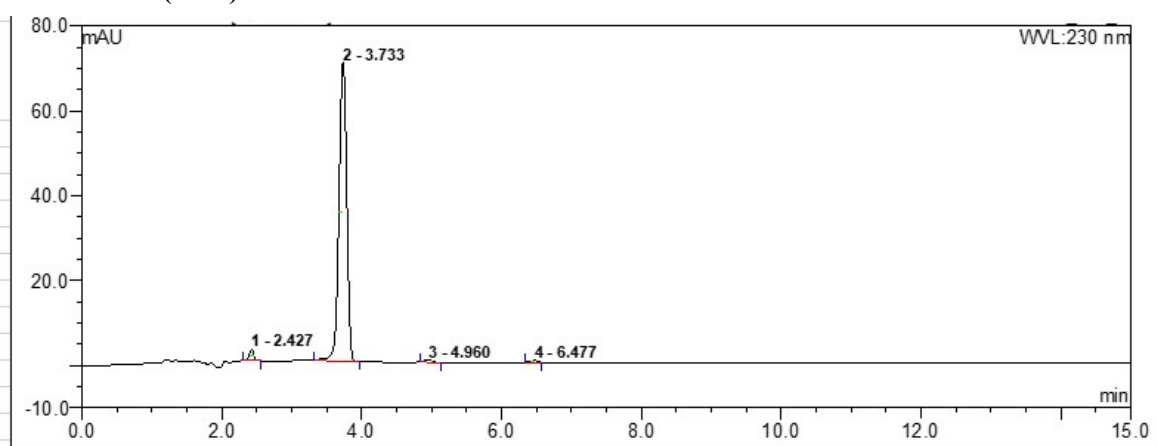
No.	Ret. Time min	Peak Name	Height mAU	Area mAU*min	Rel. Area %	Amount	Type
1	2.42	n.a.	2.647	0.187	0.65	n.a.	BMB*
2	4.90	n.a.	166.923	28.439	99.35	n.a.	BMB
Total:			169.570	28.626	100.00	0.000	

***N*-((1-methyl-3-oxo-2,3,5,6,7,8-hexahydroisoquinolin-4-yl)methyl)-5-nitrofur-2-carboxamide (6b29)**



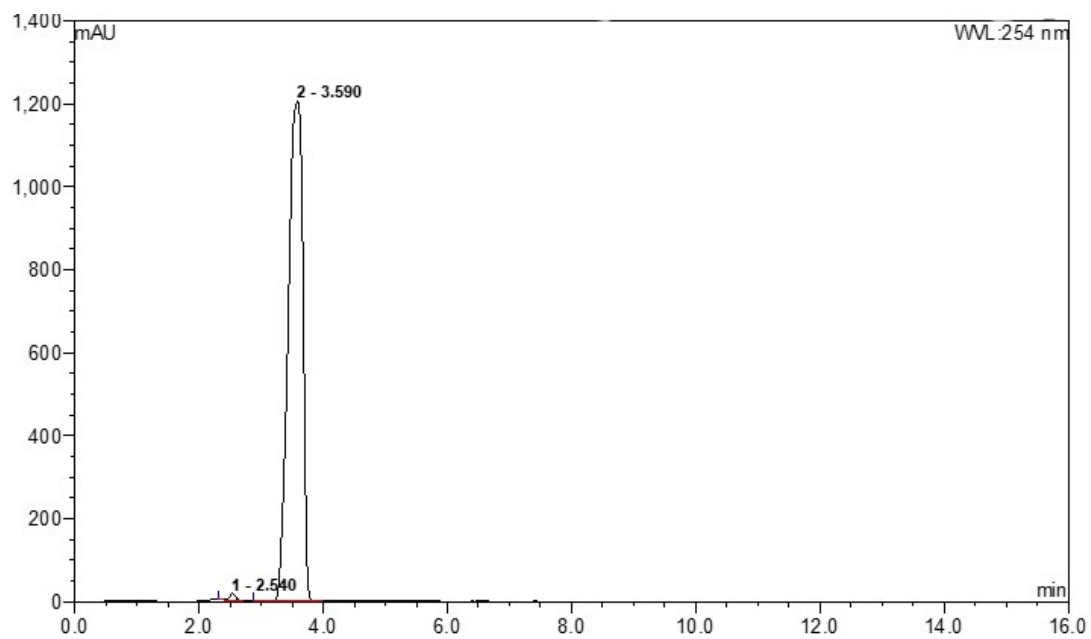
No.	Ret. Time min	Peak Name	Height mAU	Area mAU*min	Rel.Area %	Amount	Type
1	2.43	n.a.	2.006	0.128	0.63	n.a.	BMB*
2	4.11	n.a.	141.226	20.184	99.37	n.a.	BMB
Total:			143.232	20.313	100.00	0.000	

5-bromo-*N*-((1-methyl-3-oxo-2,3,5,6,7,8-hexahydroisoquinolin-4-yl)methyl)furan-2-carboxamide (6b31)



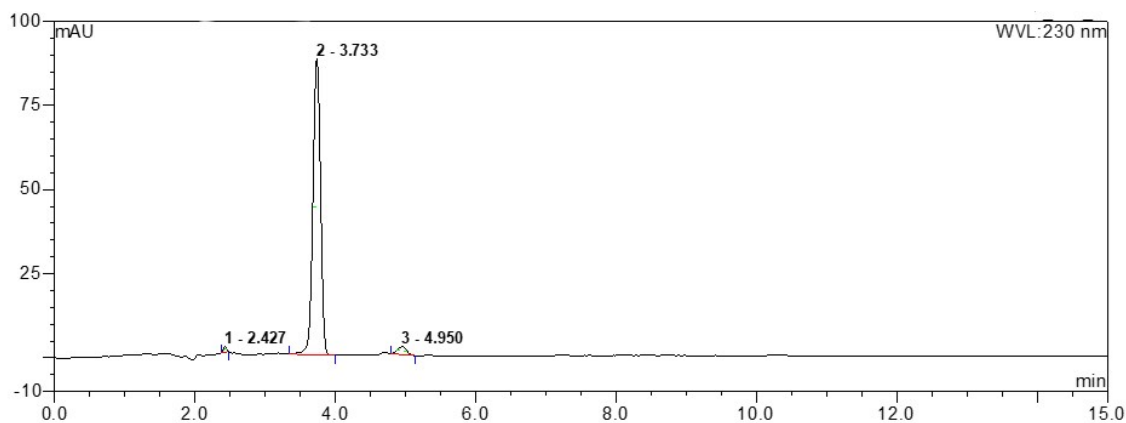
No.	Ret. Time min	Peak Name	Height mAU	Area mAU*min	Rel.Area %	Amount	Type
1	2.43	n.a.	2.506	0.176	1.87	n.a.	BMB*
2	3.73	n.a.	70.315	9.087	96.86	n.a.	BMB
3	4.96	n.a.	0.441	0.064	0.68	n.a.	BMB*
4	6.48	n.a.	0.458	0.055	0.58	n.a.	BMB*
Total:			73.720	9.382	100.00	0.000	

***N*-((1-methyl-3-oxo-2,3,5,6,7,8-hexahydroisoquinolin-4-yl)methyl)-5-nitrothiophene-2-carboxamide (6b32)**



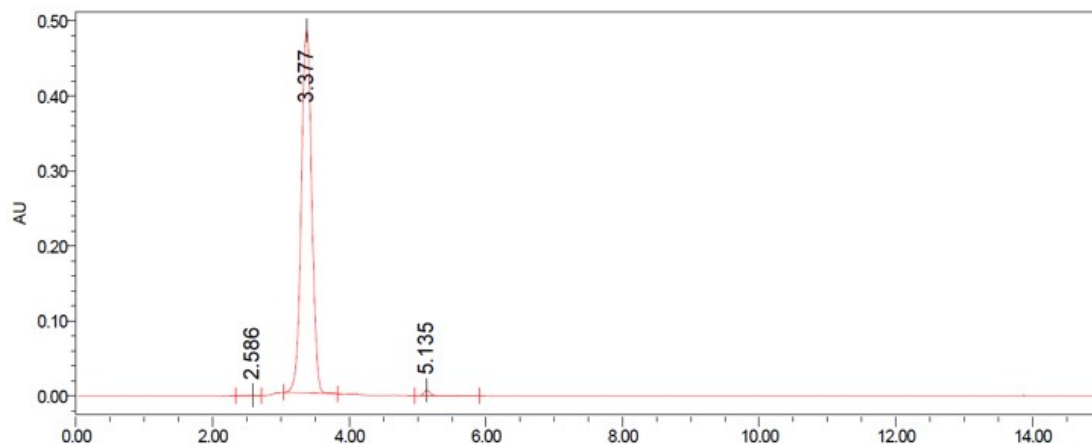
No.	Ret. Time min	Peak Name	Height mAU	Area mAU*min	Rel. Area %	Amount	Type
1	2.54	n.a.	16.790	2.084	0.63	n.a.	BMB
2	3.59	n.a.	1205.170	328.811	99.37	n.a.	BMB
Total:			1221.960	330.895	100.00	0.000	

***N*-((1-methyl-3-oxo-2,3,5,6,7,8-hexahydroisoquinolin-4-yl)methyl)-5-(trifluoromethyl)furan-2-carboxamide (6b33).**



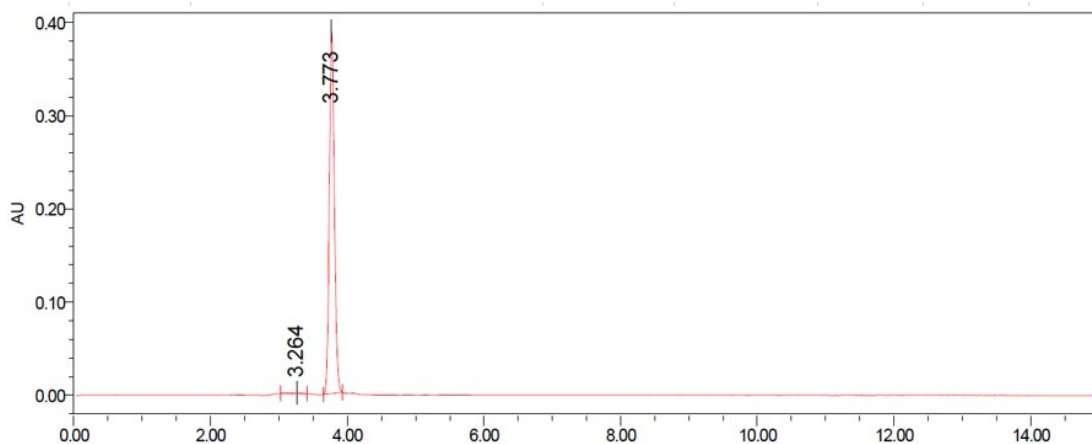
No.	Ret. Time min	Peak Name	Height mAU	Area mAU*min	Rel. Area %	Amount	Type
1	2.43	n.a.	1.654	0.090	0.78	n.a.	BMB*
2	3.73	n.a.	87.781	11.084	96.11	n.a.	BMB
3	4.95	n.a.	2.325	0.359	3.11	n.a.	BMB*
Total:			91.759	11.533	100.00	0.000	

***N*-((1-methyl-3-oxo-2,3,5,6,7,8-hexahydroisoquinolin-4-yl)methyl)-1*H*-pyrazole-4-carboxamide (6b35).**



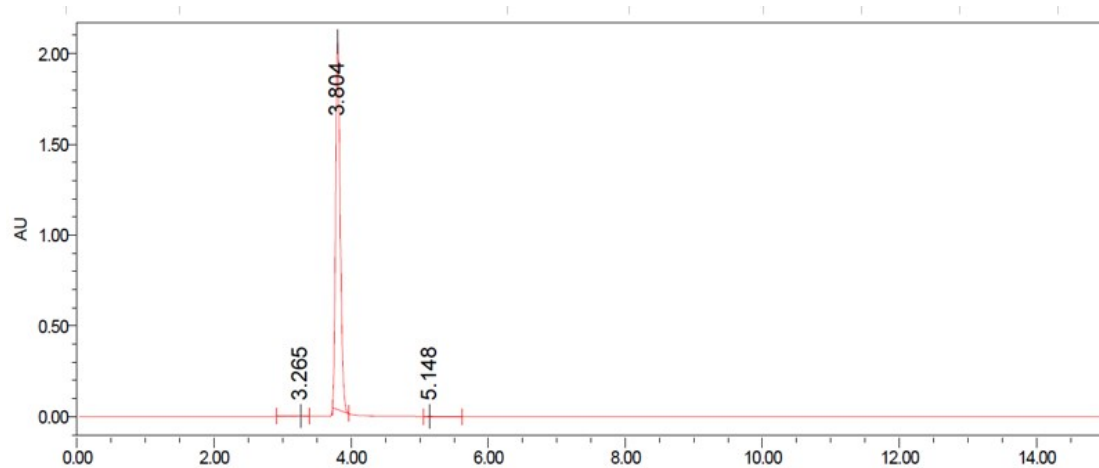
No.	Ret. Time min	Peak Name	Height μv	Area $\mu\text{v}^*\text{s}$	Rel.Area %	Amount
1	2.586	n.a.	146.0	111.0	0.02	n.a.
2	3.377	n.a.	483796.0	5126803.0	99.07	n.a.
3	5.135	n.a.	7404	47174	0.91	n.a.

***N*-((1-methyl-3-oxo-3,5,6,7-tetrahydro-2*H*-cyclopenta[*c*]pyridin-4-yl)methyl)-5-nitrothiophene-2-carboxamide (6a1).**



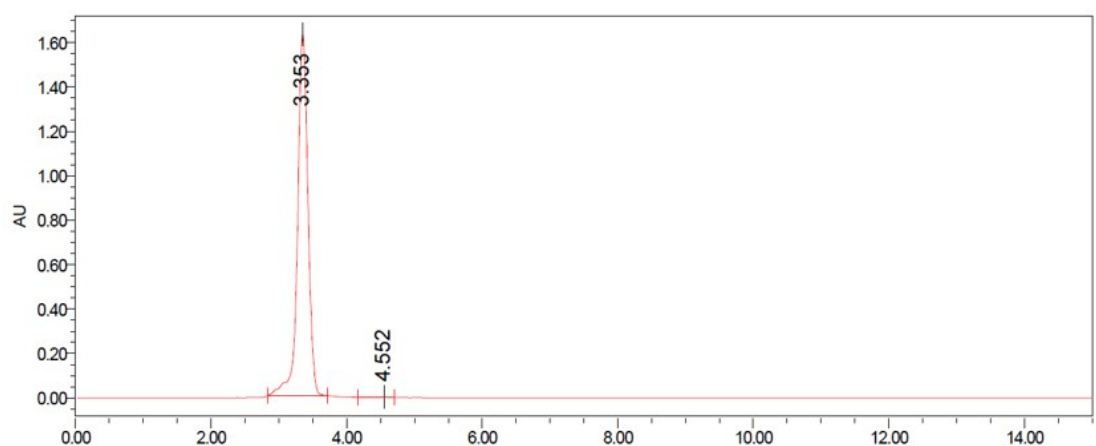
No.	Ret. Time min	Peak Name	Height μv	Area $\mu\text{v}^*\text{s}$	Rel.Area %	Amount
1	3.264	n.a.	835.0	10580.0	0.53	n.a.
2	3.773	n.a.	389160.0	1984430.0	99.47	n.a.

6-bromo-*N*-((1-methyl-3-oxo-3,5,6,7,8,9-hexahydro-2*H*-cyclohepta[*c*]pyridin-4-yl)methyl)nicotinamide (6c1).



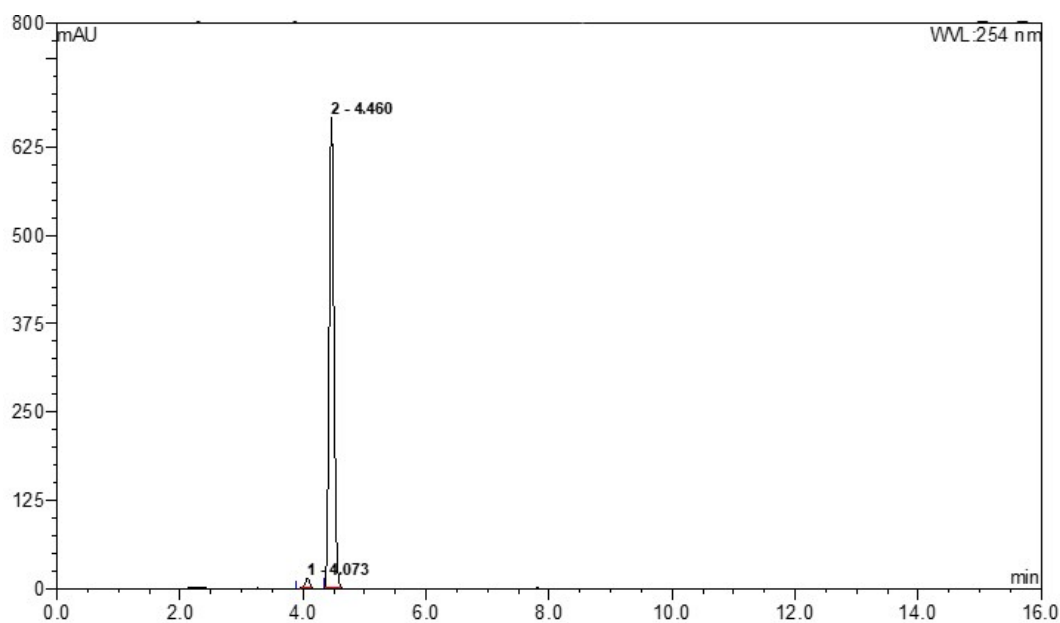
No.	Ret.Time min	Peak Name	Height μv	Area $\mu\text{v}^*\text{s}$	Rel.Area %	Amount
1	3.265	n.a.	1254.0	18479.0	0.19	n.a.
2	3.804	n.a.	2029178.0	9465795.0	99.73	n.a.
3	5.148	n.a.	741	741	0.08	n.a.

***N*-((4-methyl-2-oxo-1,2,5,6,7,8-hexahydroquinolin-3-yl)methyl)thiophene-2-carboxamide (6d2).**



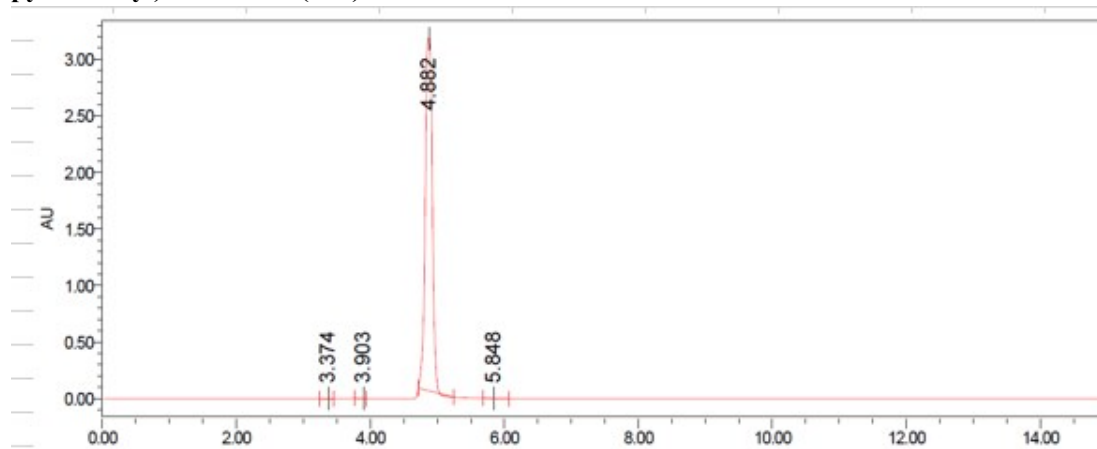
No.	Ret.Time min	Peak Name	Height μv	Area $\mu\text{v}^*\text{s}$	Rel.Area %	Amount
1	3.353	n.a.	1628020.0	17362558.0	99.90	n.a.
2	4.552	n.a.	2625.0	17981.0	0.10	n.a.

***N*-((4-methyl-2-oxo-1,2,5,6,7,8-hexahydroquinolin-3-yl)methyl)-5-nitrothiophene-2-carboxamide (6d5)**



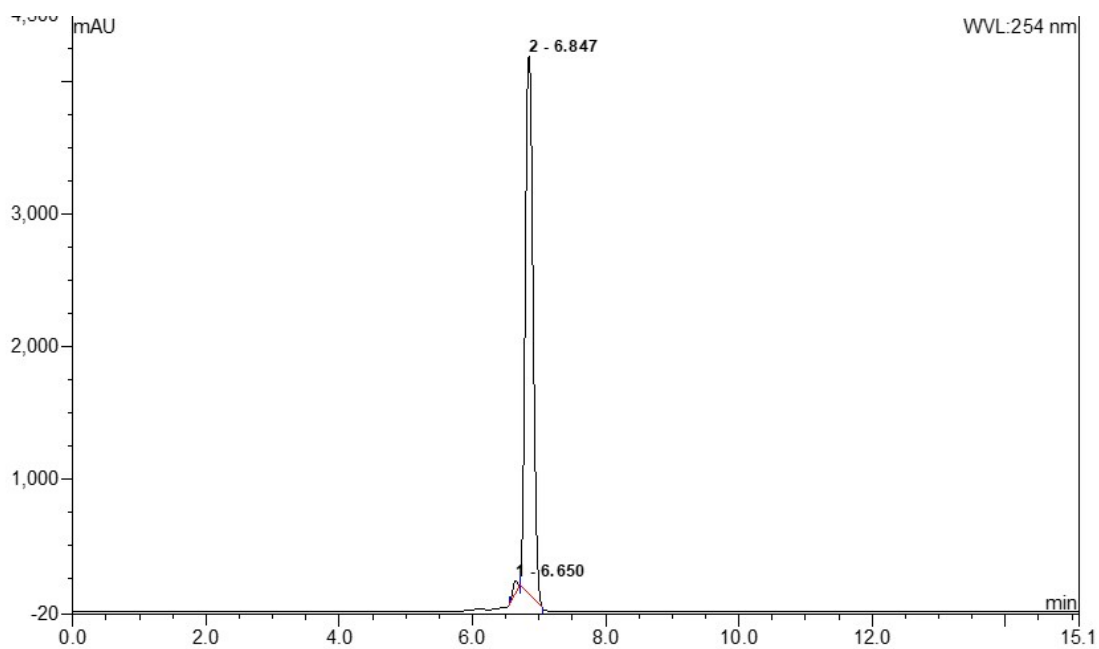
No.	Ret. Time min	Peak Name	Height mAU	Area mAU*min	Rel.Area %	Amount	Type
1	4.07	n.a.	12.593	1.041	1.73	n.a.	BMB*
2	4.46	n.a.	663.936	59.281	98.27	n.a.	BMB*
Total:			676.530	60.321	100.00	0.000	

***N*-((4-methyl-2-oxo-1,2,5,6,7,8-hexahydroquinolin-3-yl)methyl)-4-(6-(trifluoromethyl)pyridin-3-yl)benzamide (6d9)**



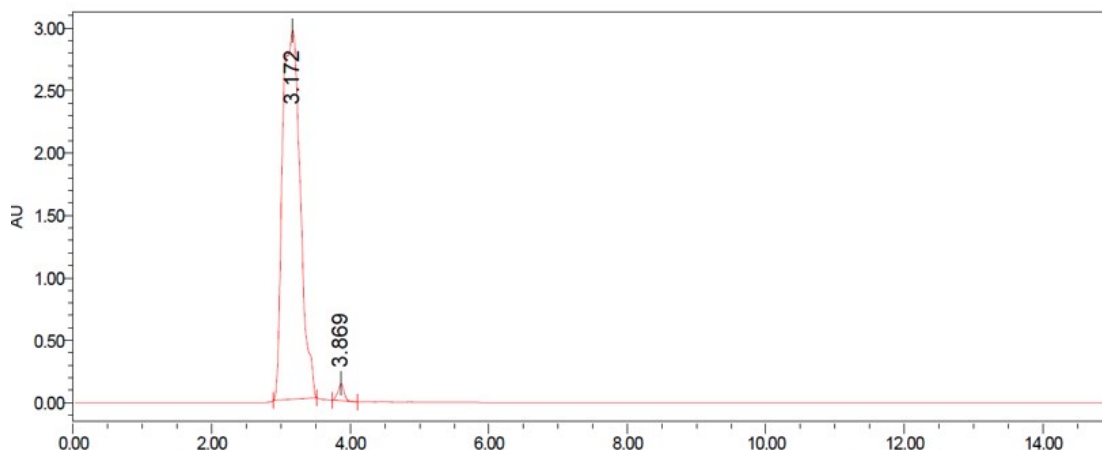
No.	Ret. Time min	Peak Name	Height μv	Area $\mu\text{v}^*\text{s}$	Rel.Area %	Amount
1	3.374	n.a.	-55.0	236.0	0.00	n.a.
2	3.903	n.a.	-216.0	1063.0	0.00	n.a.
3	4.882	n.a.	3116973	23053222	99.98	n.a.
4	5.848	n.a.	-192	2393	0.01	n.a.

6-bromo-*N*-((4-methyl-2-oxo-1,2,5,6,7,8-hexahydroquinolin-3-yl)methyl)nicotinamide (6d11).



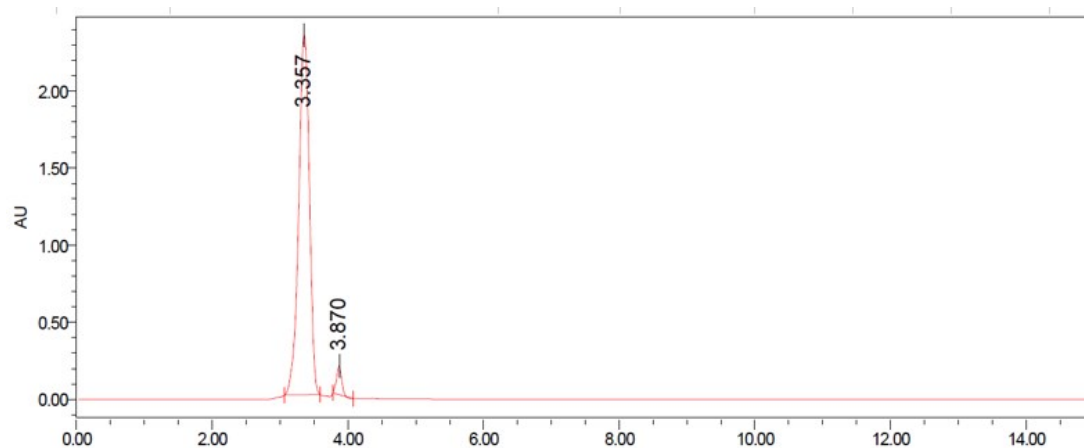
No.	Ret. Time min	Peak Name	Height mAU	Area mAU*min	Rel. Area %	Amount
1	6.65	n.a.	91.510	7.549	1.36	n.a.
2	6.85	n.a.	4058.209	546.644	98.64	n.a.
Total:			4149.720	554.193	100.00	0.000

6-fluoro-N-((4-methyl-2-oxo-1,2,5,6,7,8-hexahydroquinolin-3-yl)methyl)nicotinamide (6d12)



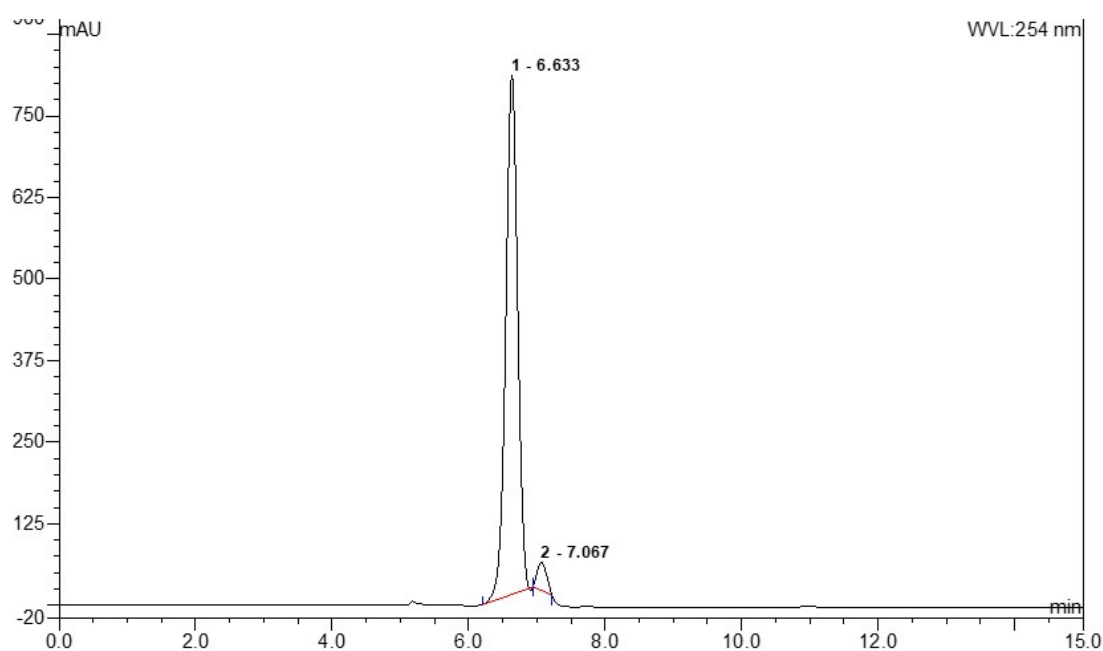
No.	Ret. Time min	Peak Name	Height μ v	Area μ v*s	Rel. Area %	Amount
1	3.172	n.a.	2953571.0	52431004.0	98.43	n.a.
2	3.869	n.a.	141540.0	838943.0	1.57	n.a.

6-chloro-N-((4-methyl-2-oxo-1,2,5,6,7,8-hexahydroquinolin-3-yl)methyl)nicotinamide (6d13).



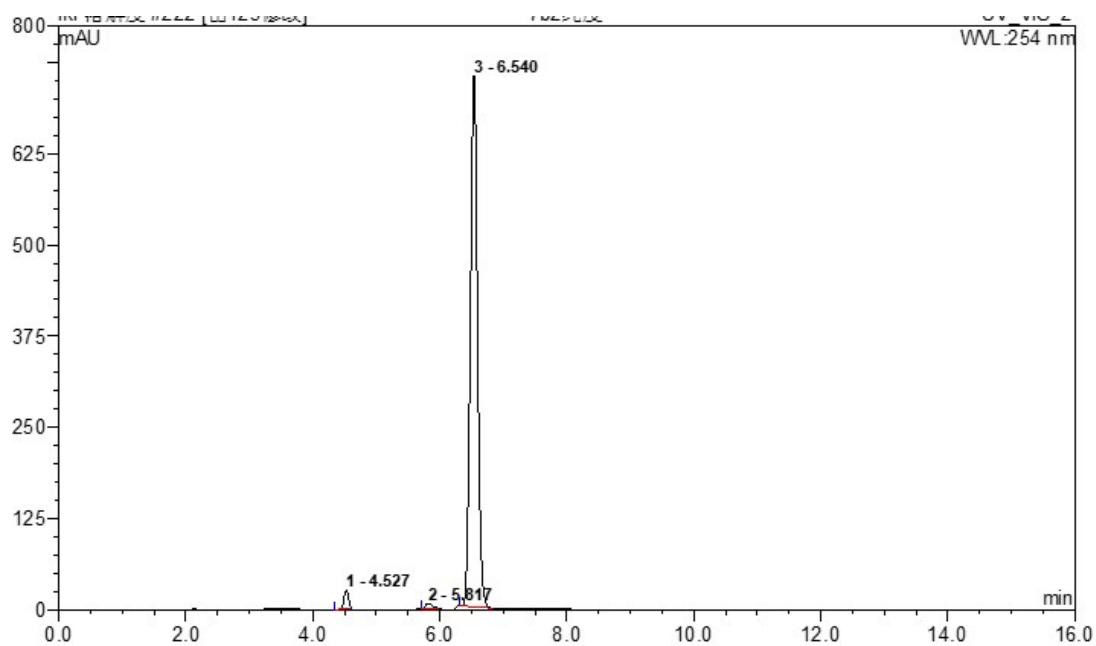
No.	Ret. Time min	Peak Name	Height μv	Area μv*s	Rel. Area %	Amount
1	3.357	n.a.	2334799.0	25609352.0	96.31	n.a.
2	3.870	n.a.	982352.0	982352.0	3.69	n.a.

***N*-((6-cyclopropyl-4-methyl-2-oxo-1,2-dihydropyridin-3-yl)methyl)-6-(trifluoromethyl)nicotinamide (7a1)**



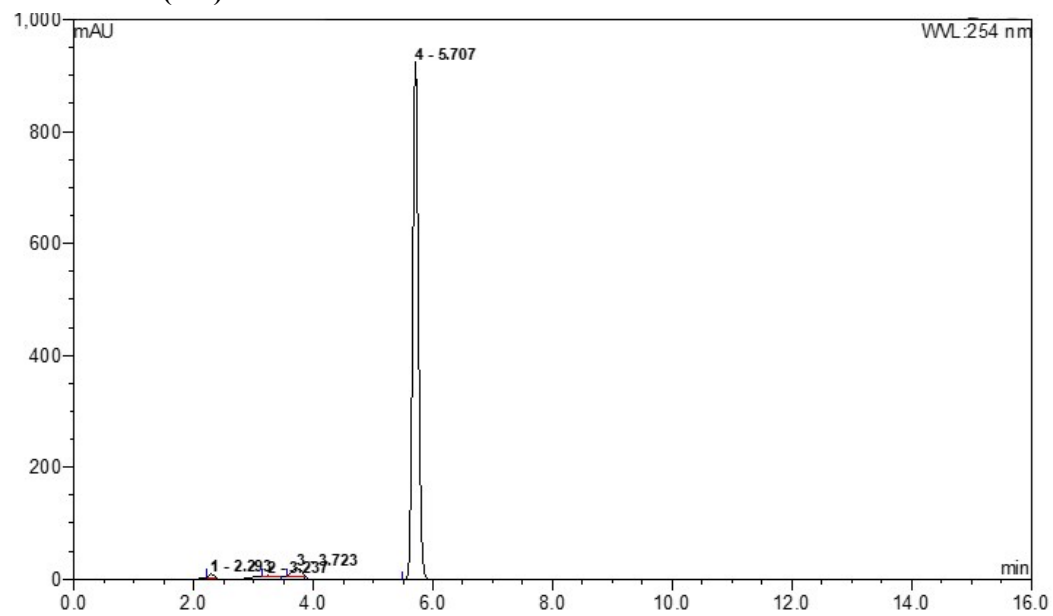
No.	Ret. Time min	Peak Name	Height mAU	Area mAU*min	Rel. Area %	Amount
1	6.63	n.a.	795.287	161.483	95.92	n.a.
2	7.07	n.a.	42.833	6.875	4.08	n.a.
Total:			838.120	168.358	100.00	0.000

3',5'-dimethoxy-*N*-((4-methyl-2-oxo-6-phenyl-1,2-dihydropyridin-3-yl)methyl)-[1,1'-biphenyl]-4-carboxamide (7b2)



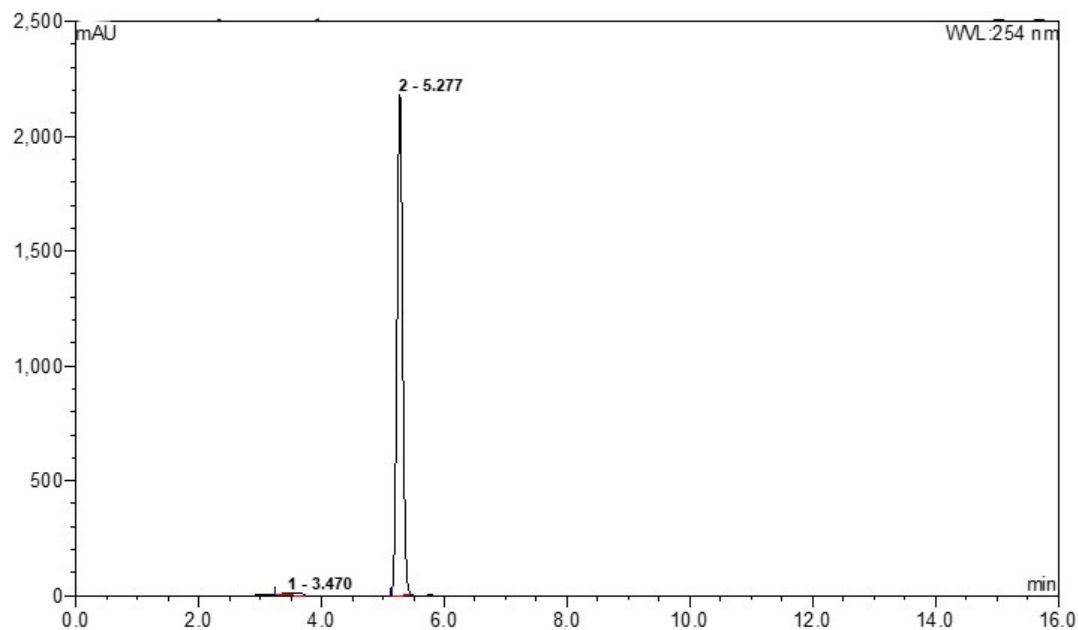
No.	Ret. Time min	Peak Name	Height mAU	Area mAU*min	Rel. Area %	Amount	Type
1	4.53	n.a.	24.569	1.910	1.96	n.a.	BMB*
2	5.82	n.a.	7.491	0.875	0.90	n.a.	BMB*
3	6.54	n.a.	727.897	94.526	97.14	n.a.	BMB*
Total:			759.957	97.311	100.00	0.000	

3',5'-dimethoxy-N-((4-methyl-2-oxo-1,2-dihydroquinolin-3-yl)methyl)-[1,1'-biphenyl]-4-carboxamide (9a2)



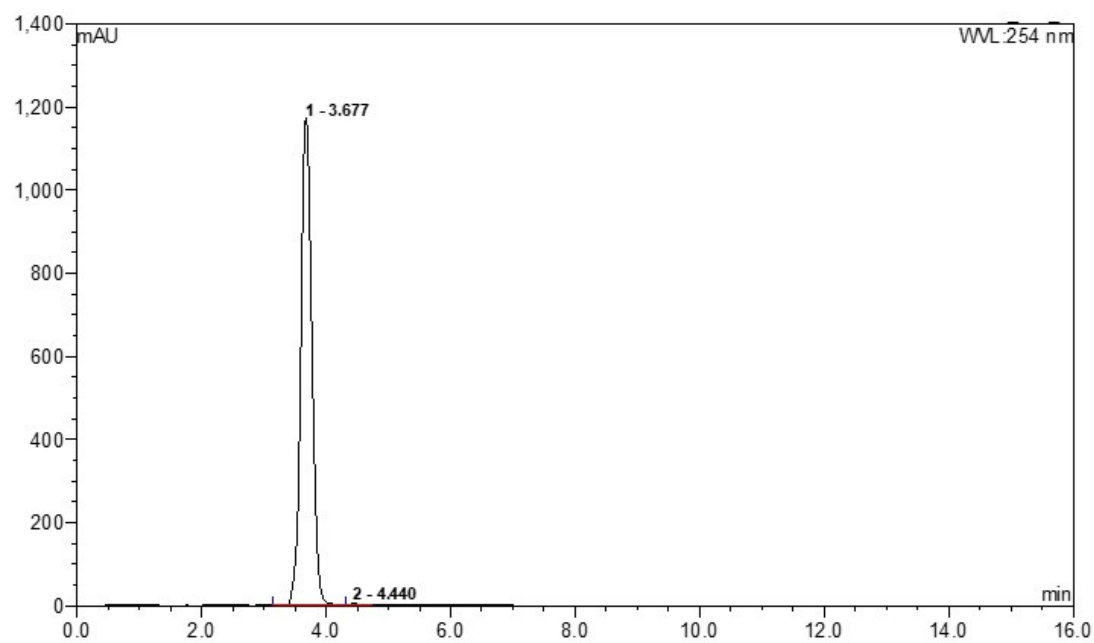
No.	Ret. Time min	Peak Name	Height mAU	Area mAU*min	Rel. Area %	Amount	Type
1	2.29	n.a.	5.691	0.482	0.45	n.a.	BMB*
2	3.24	n.a.	1.394	0.293	0.28	n.a.	BMB*
3	3.72	n.a.	14.262	2.634	2.49	n.a.	BMB*
4	5.71	n.a.	925.037	102.505	96.78	n.a.	BMB*
Total:			946.384	105.913	100.00	0.000	

***N*-((4-methyl-2-oxo-1,2-dihydroquinolin-3-yl)methyl)-4-(6-(trifluoromethyl)pyridin-3-yl)benzamide (9a3)**



No.	Ret. Time min	Peak Name	Height mAU	Area mAU*min	Rel. Area %	Amount	Type
1	3.47	n.a.	9.890	3.555	1.53	n.a.	BMB*
2	5.28	n.a.	2180.676	228.909	98.47	n.a.	BMB*
Total:			2190.566	232.464	100.00	0.000	

***N*-((1-methyl-3-oxo-2,3,5,6,7,8-hexahydroisoquinolin-4-yl)methyl)-6-(trifluoromethyl)pyridine-3-sulfonamide (10a2)**



No.	Ret. Time min	Peak Name	Height mAU	Area mAU*min	Rel. Area %	Amount	Type
1	3.68	n.a.	1171.721	242.182	99.73	n.a.	BM
2	4.44	n.a.	5.022	0.653	0.27	n.a.	MB
Total:			1176.744	242.835	100.00	0.000	