Supporting Information

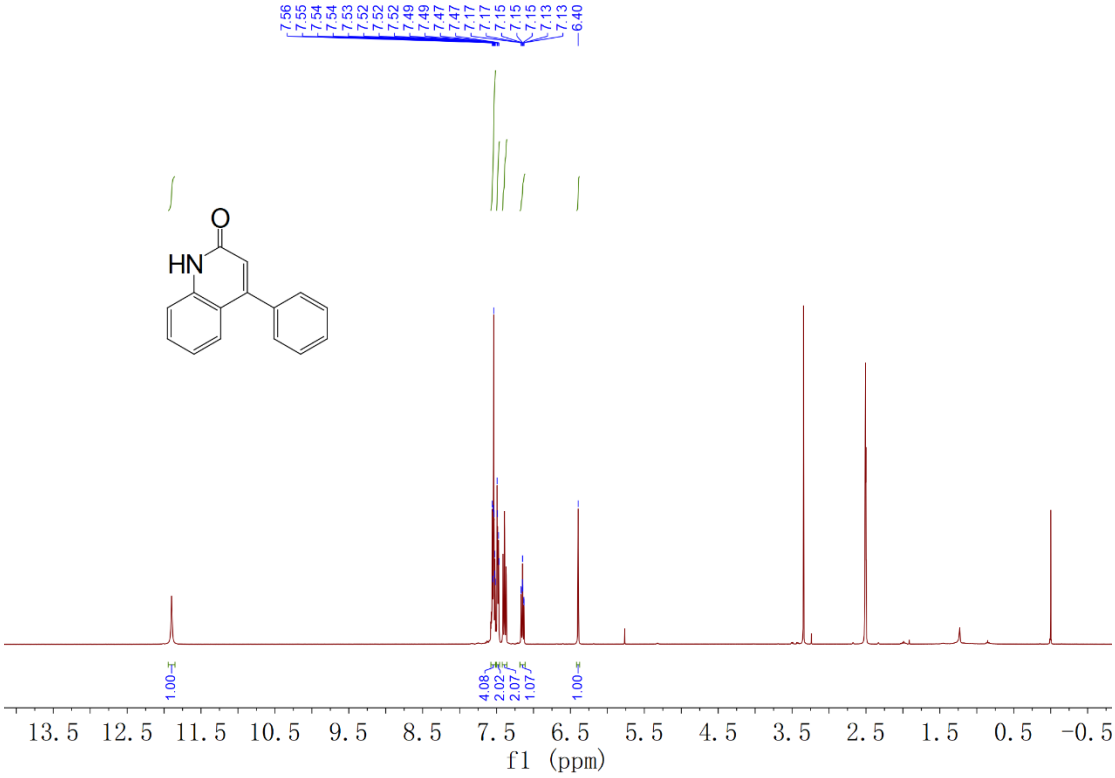
LACTAMIZATION OF ALKENYL C-H BONDS TO GENERATE 2-QUINOLINONES WITH TRIPHOSGENE

Zhen Zhang,[1]* Zixiao Wang [2], and Guizhi Du[3]*

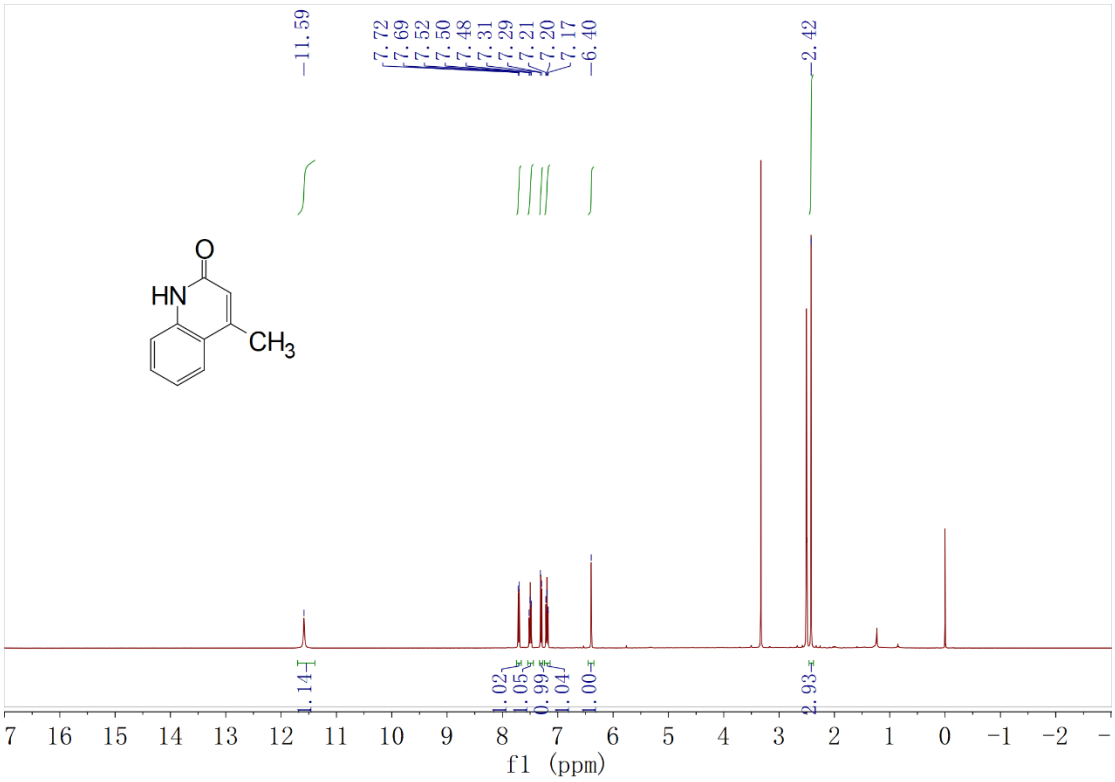
[1] Key Laboratory of Coarse Cereal Processing (Ministry of Agriculture and Rural Affairs), Chengdu University, 2025 Chengluo Road, Chengdu 610041, P. R. China. [2] Key Laboratory of Green Chemistry & Technology of Ministry of Education, College of Chemistry, Sichuan University, Chengdu 610064, P. R. China. [3] Department of Anesthesiology, West China Hospital, Sichuan University, Chengdu 610041, P. R. China; E-mail: zhangzhen1@cdu.edu.cn

Copies of NMR spectra

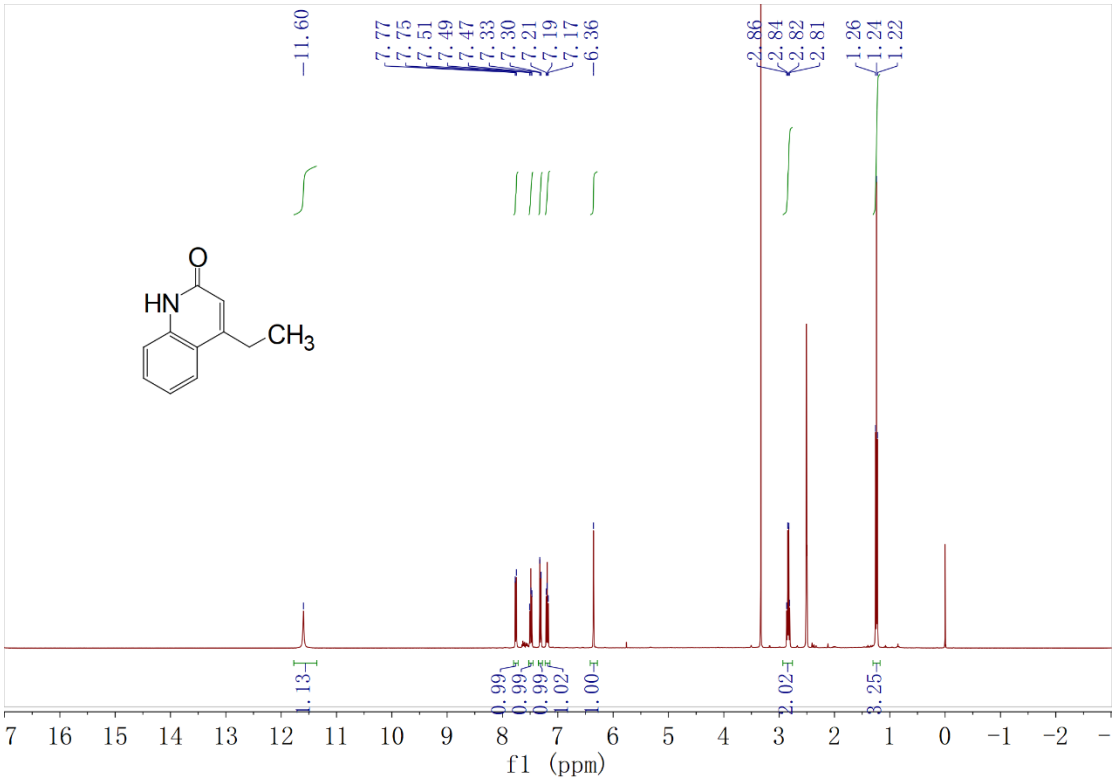
4-phenylquinolin-2(1H)-one (2a)



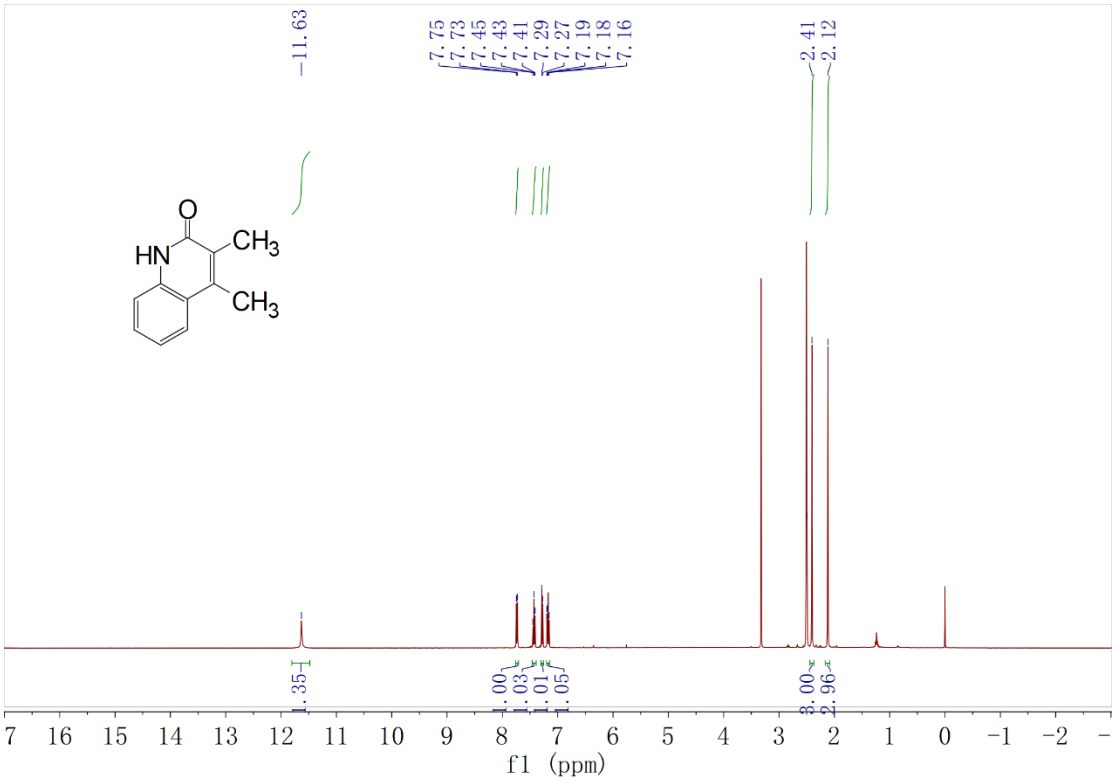
4-methylquinolin-2(1H)-one (2b)



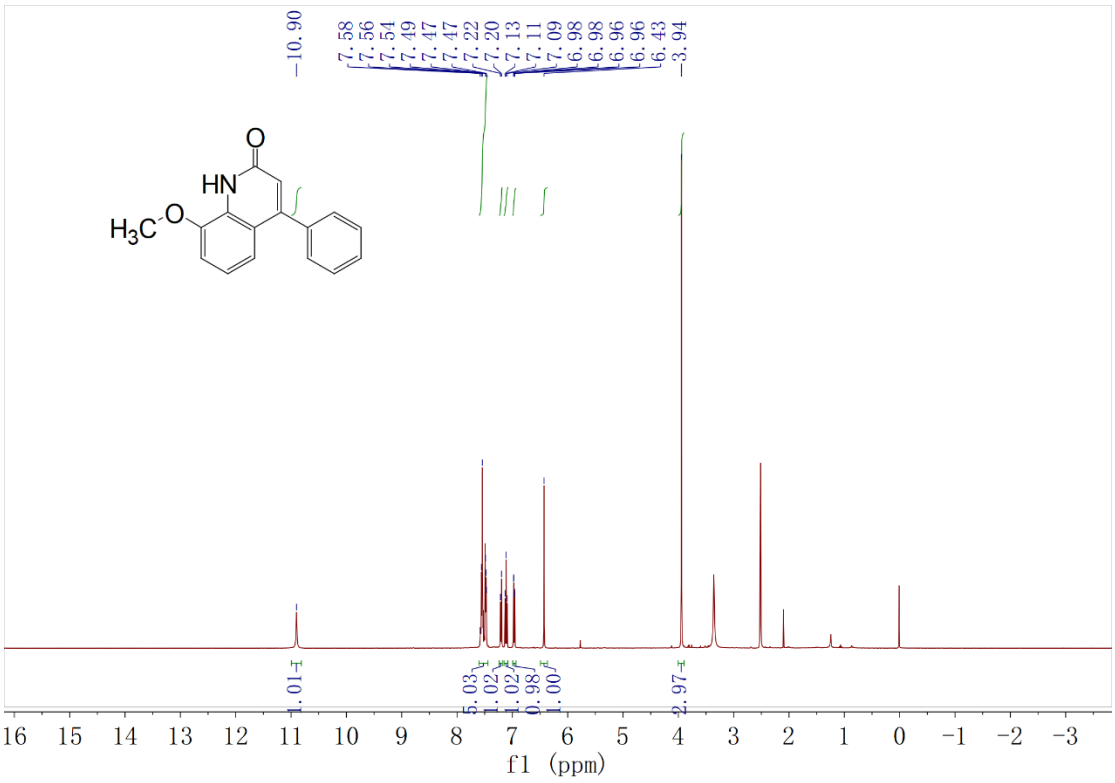
4-ethylquinolin-2(1H)-one (2c)



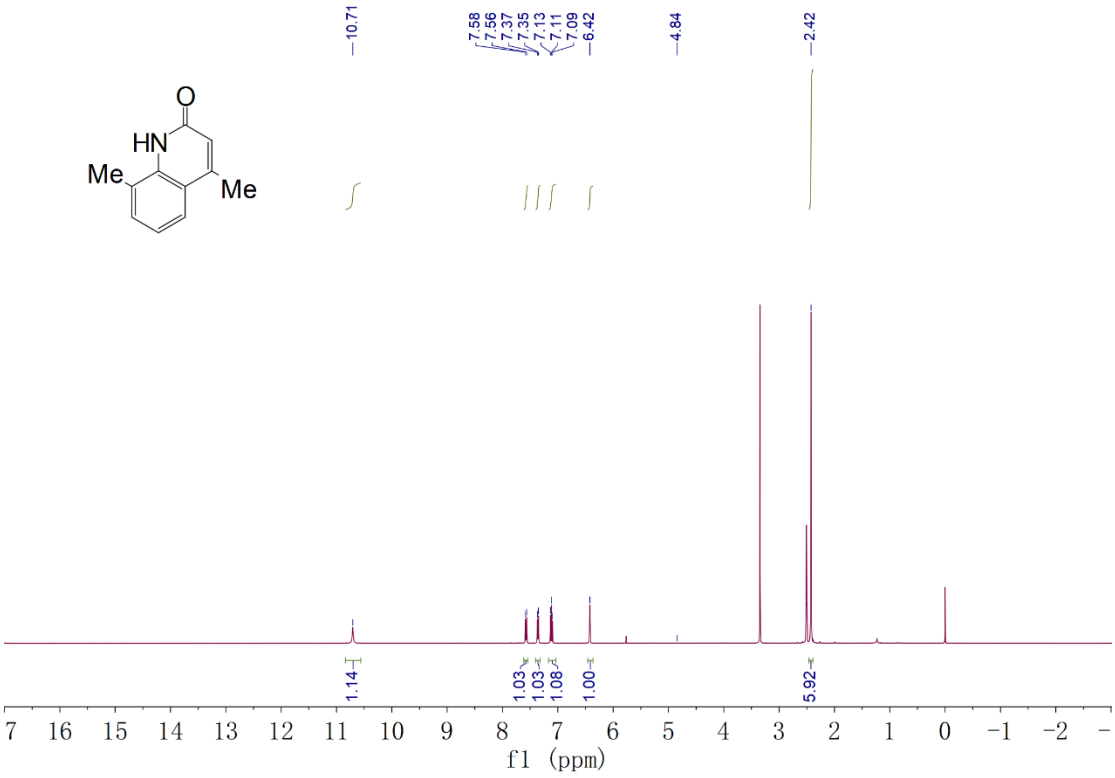
3,4-dimethylquinolin-2(1H)-one (2d)



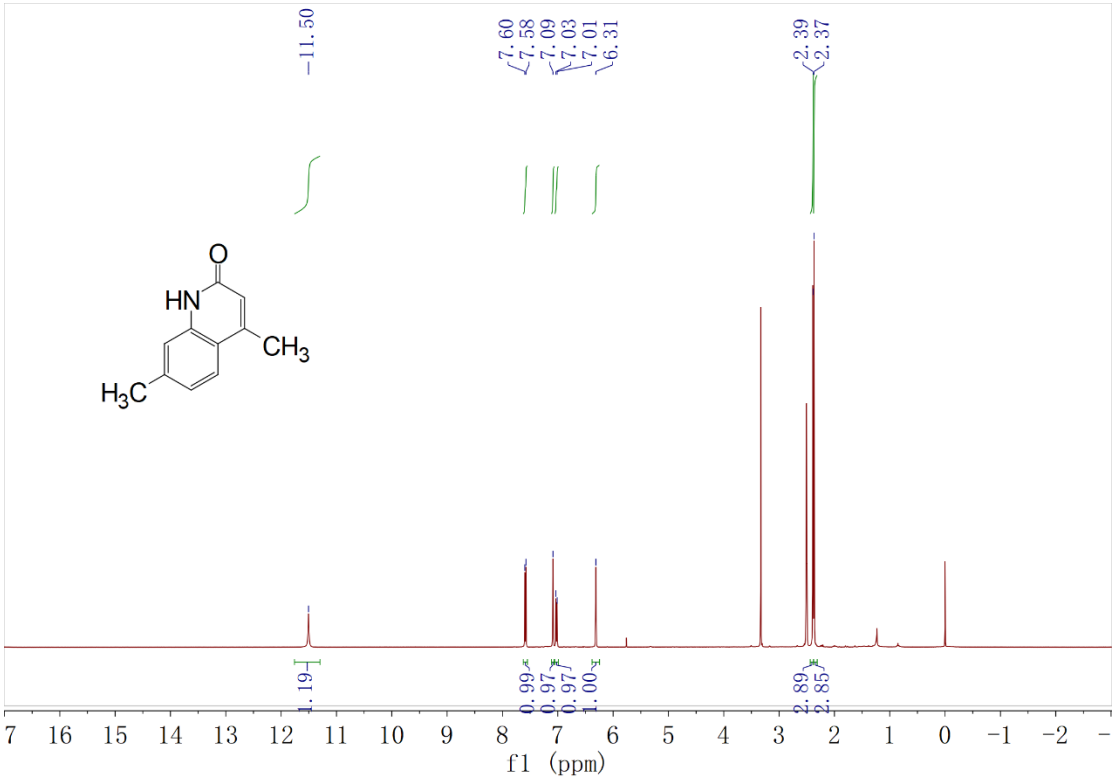
8-methoxy-4-phenylquinolin-2(1H)-one (2e)



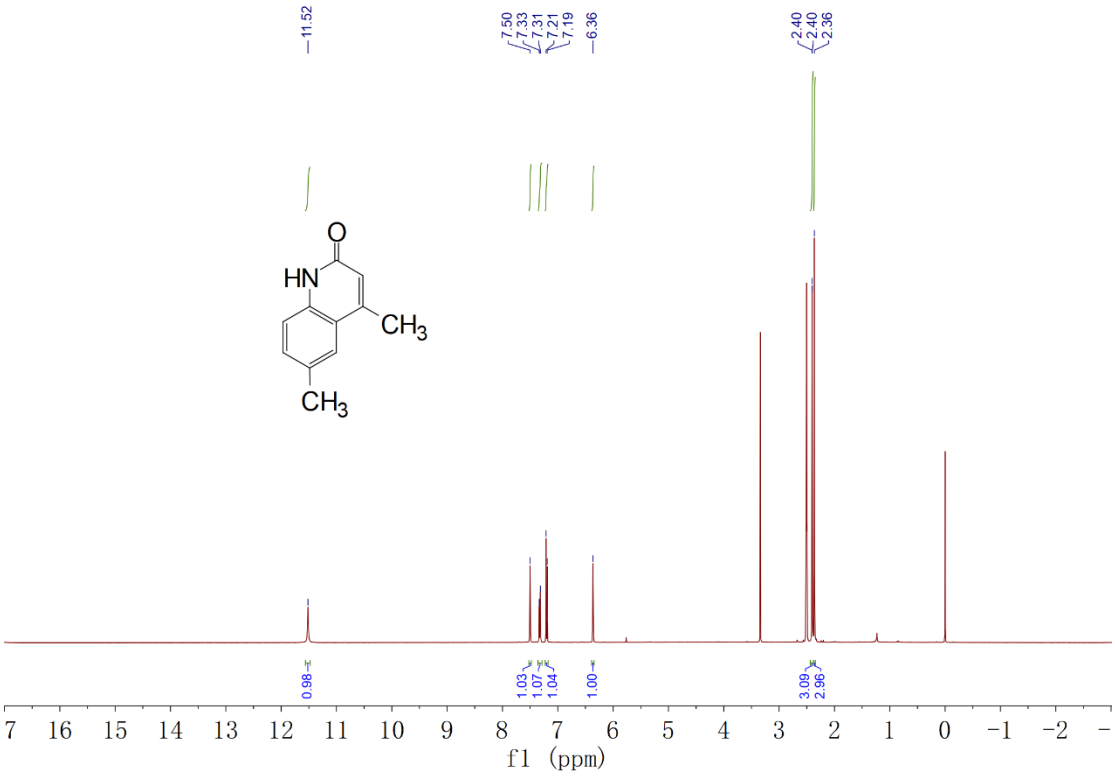
4,8-dimethylquinolin-2(1H)-one (2f)



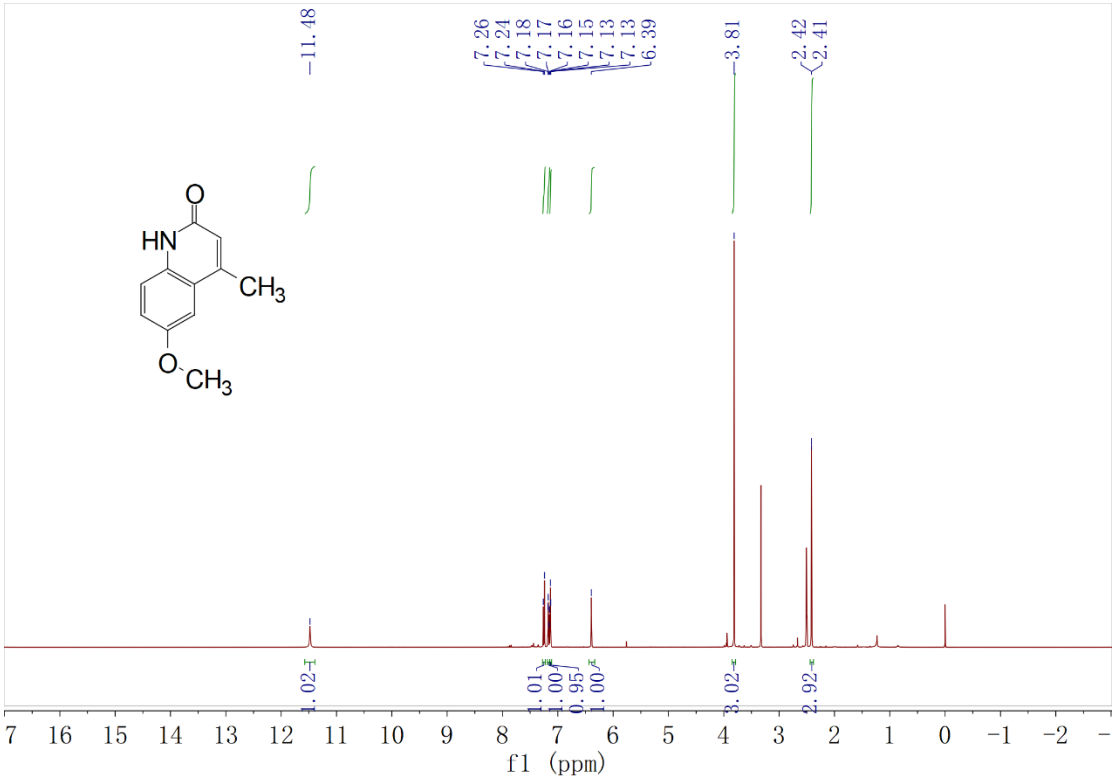
4,7-dimethylquinolin-2(1H)-one (2g)



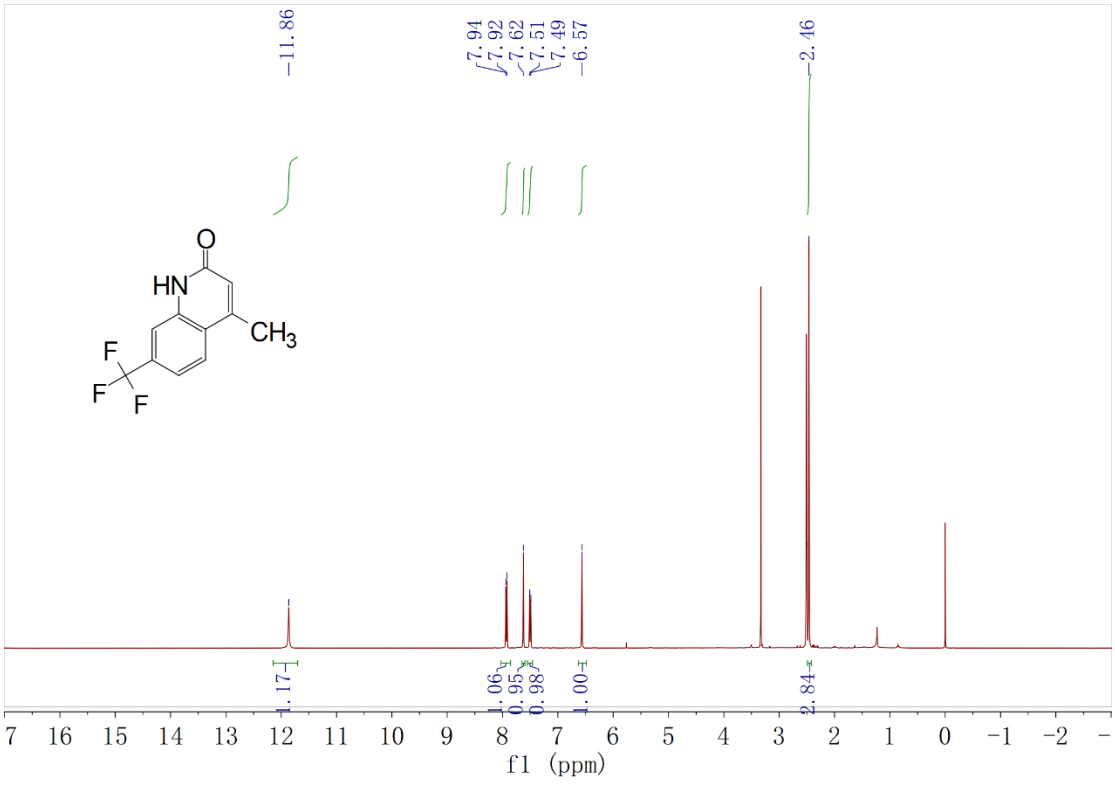
4,6-dimethylquinolin-2(1H)-one (2h)



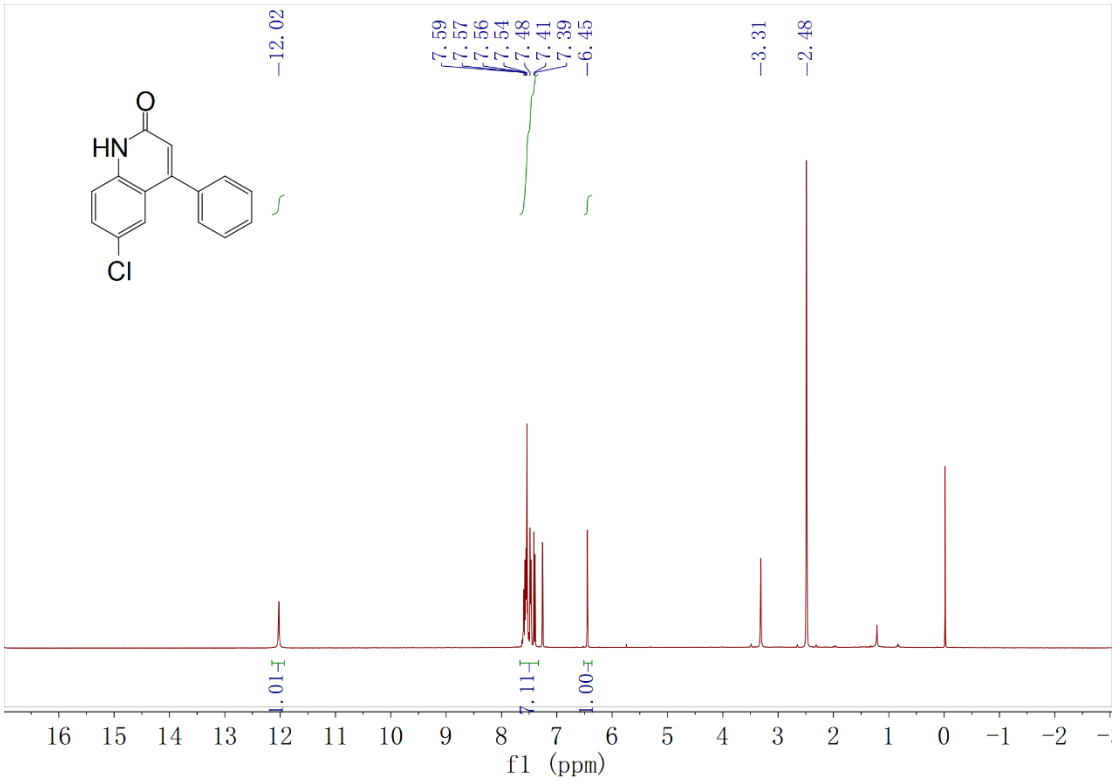
6-methoxy-4-methylquinolin-2(1H)-one (2i)



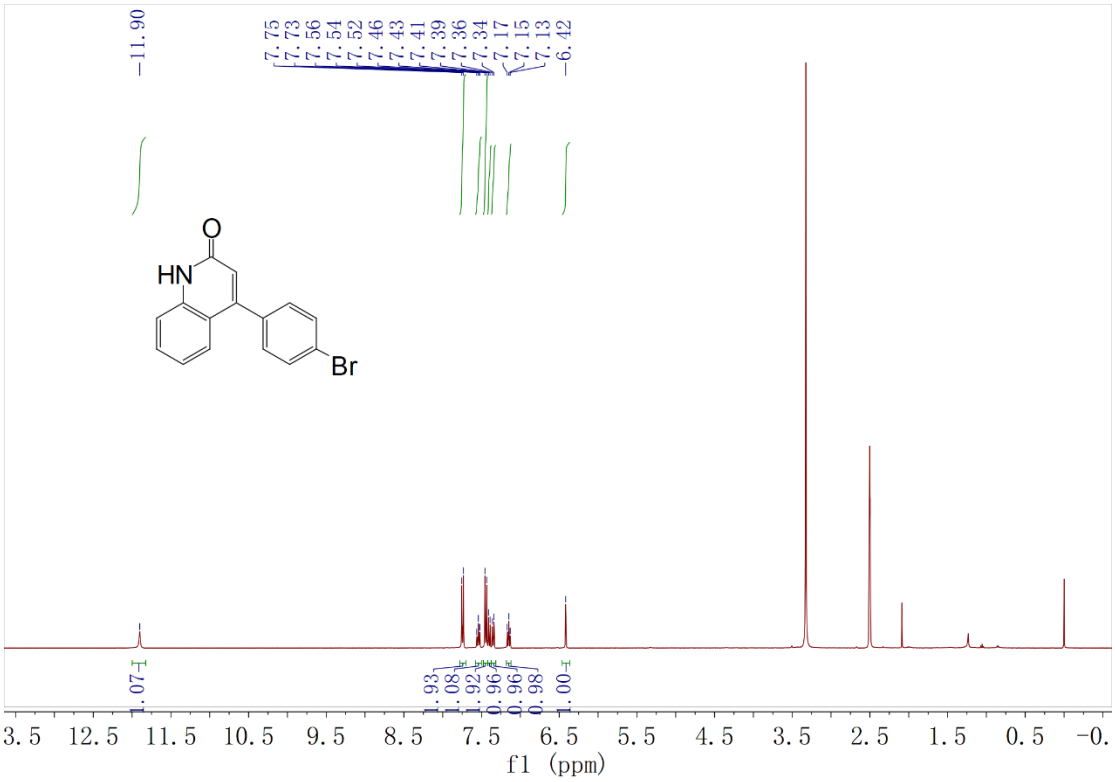
4-methyl-7-(trifluoromethyl)quinolin-2(1H)-one (2j)



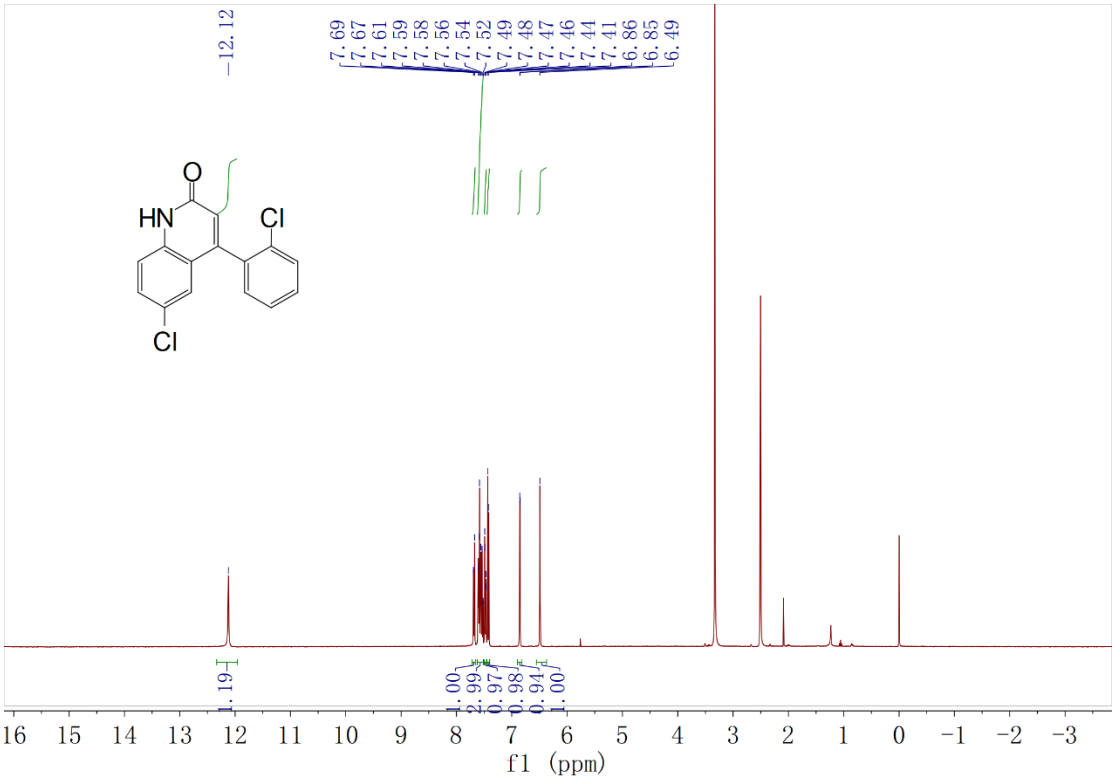
6-chloro-4-phenylquinolin-2(1H)-one (2k)



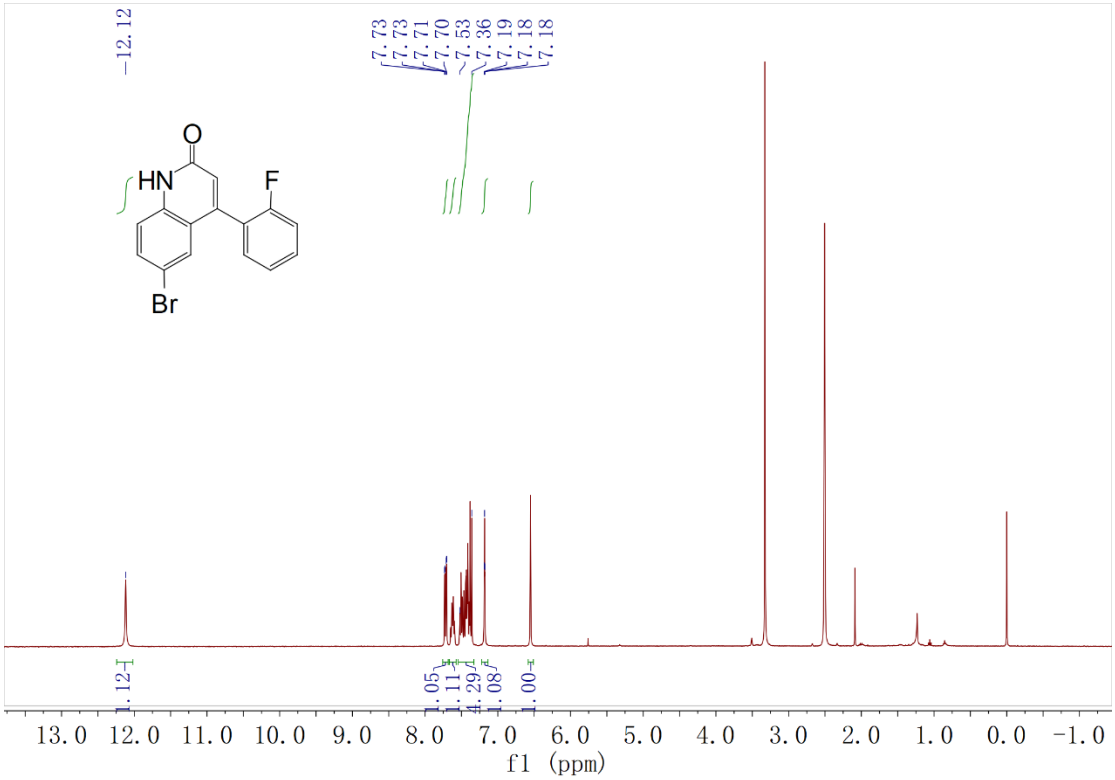
4-(4-bromophenyl)quinolin-2(1H)-one (2l)



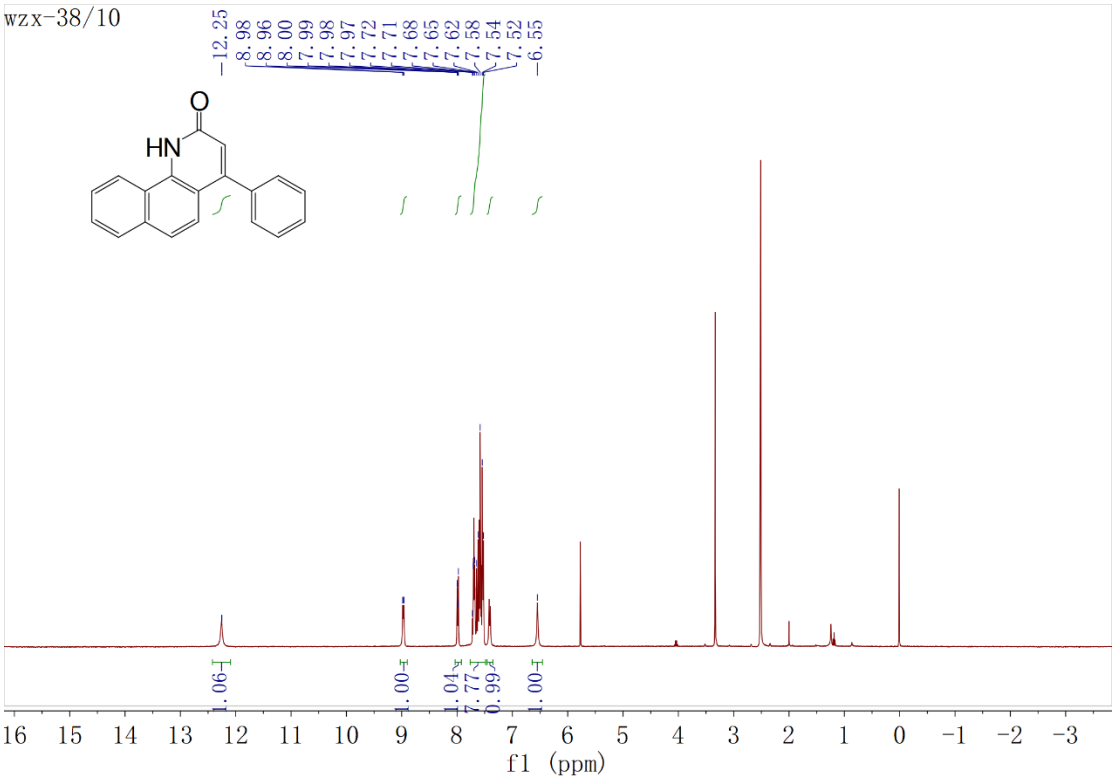
6-chloro-4-(2-chlorophenyl)quinolin-2(1H)-one (2m)



6-bromo-4-(2-fluorophenyl)quinolin-2(1H)-one (2n)



4-phenylbenzo[h]quinolin-2(1H)-one (2o)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7.99
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7.71
7.68
7.65
7.62
7.58
7.54
7.52
6.55
O
HN
1.06
1.00
1.04
7.77
0.99
1.00
16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0 -1 -2 -3
f1 (ppm)