

Supporting Information

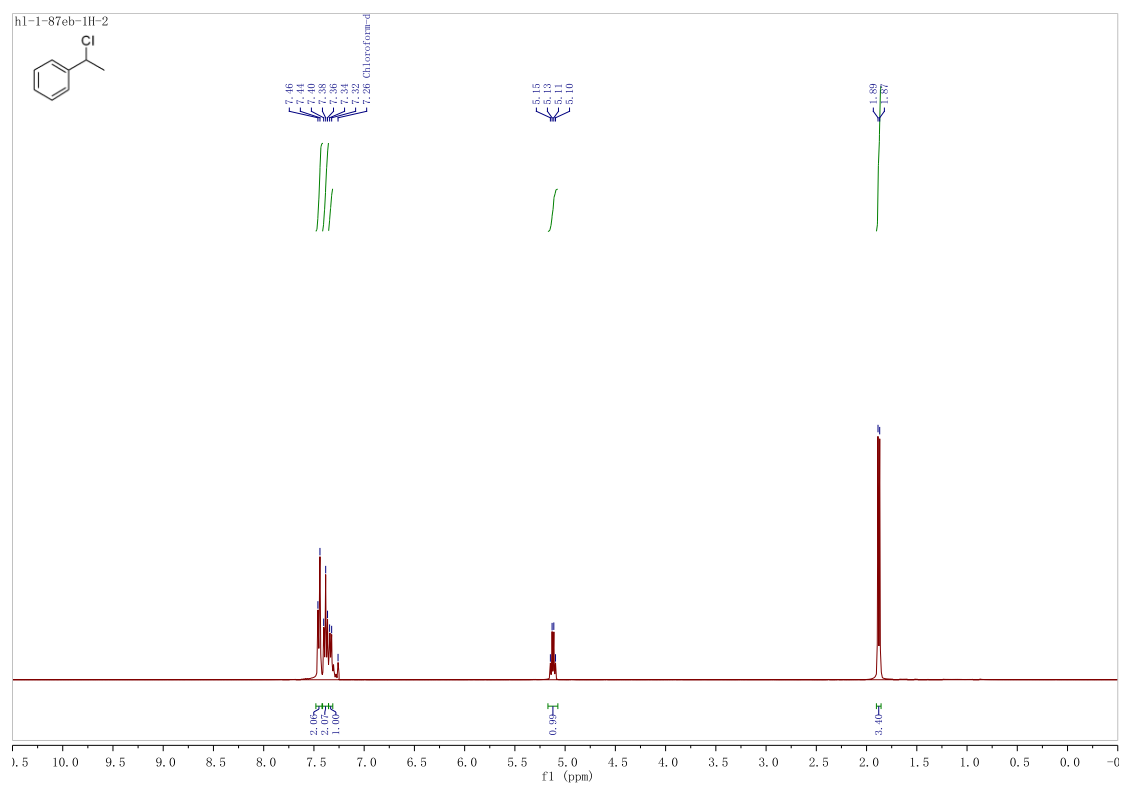
Ketone-catalyzed photochemical C(sp³)-H chlorination

Lei Han, Jibao Xia, Lin You and Chuo Chen*

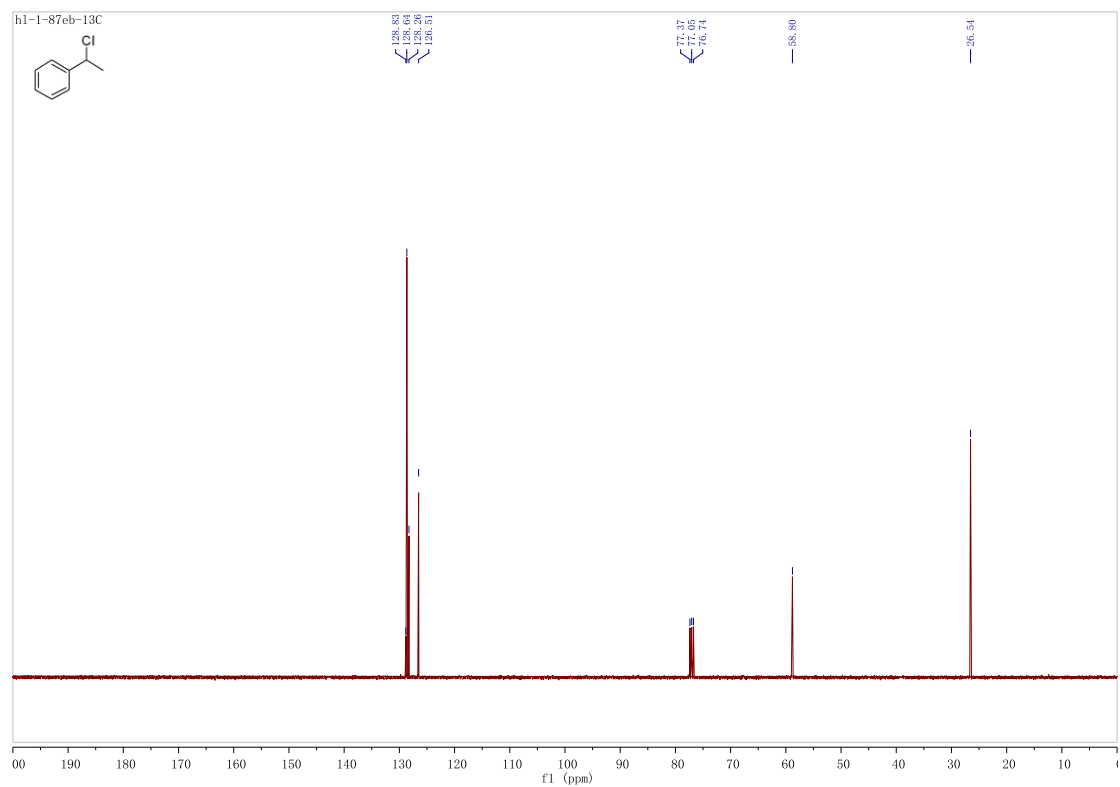
*Division of Chemistry, Department of Biochemistry, The University of Texas Southwestern
Medical Center, Dallas, USA*

Email: Chuo.Chen@UTSouthwestern.edu

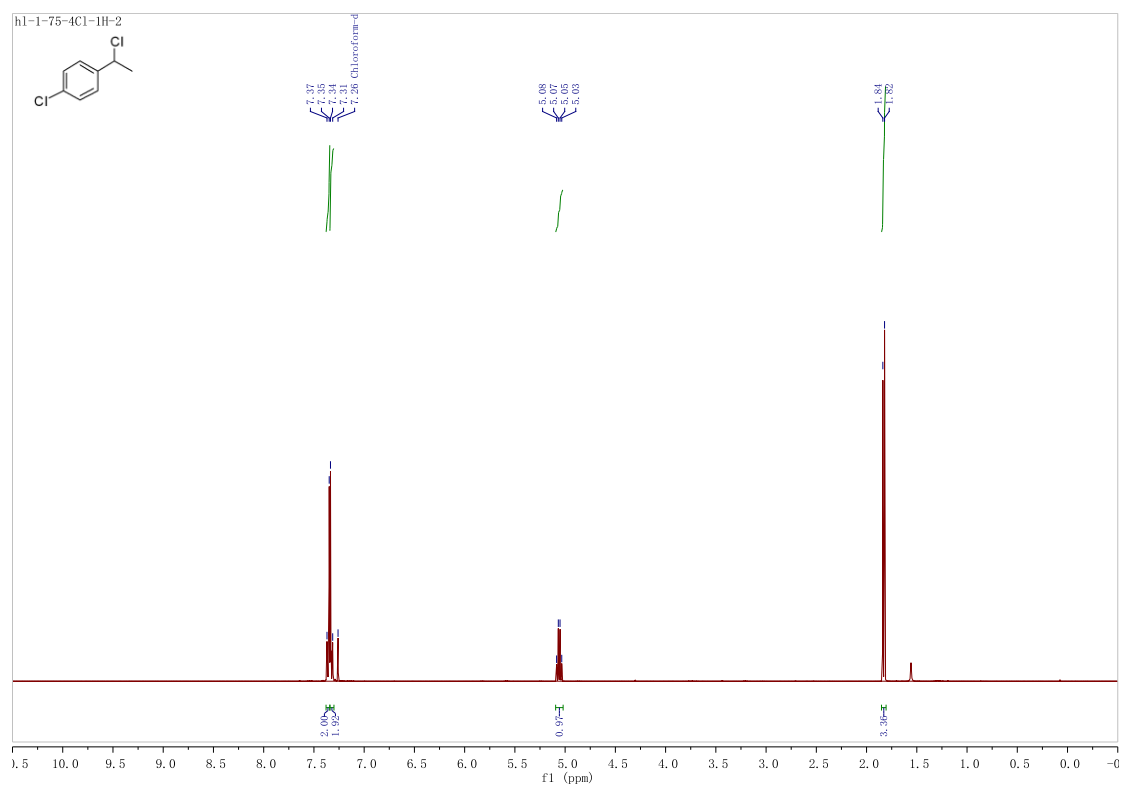
¹H NMR of 12



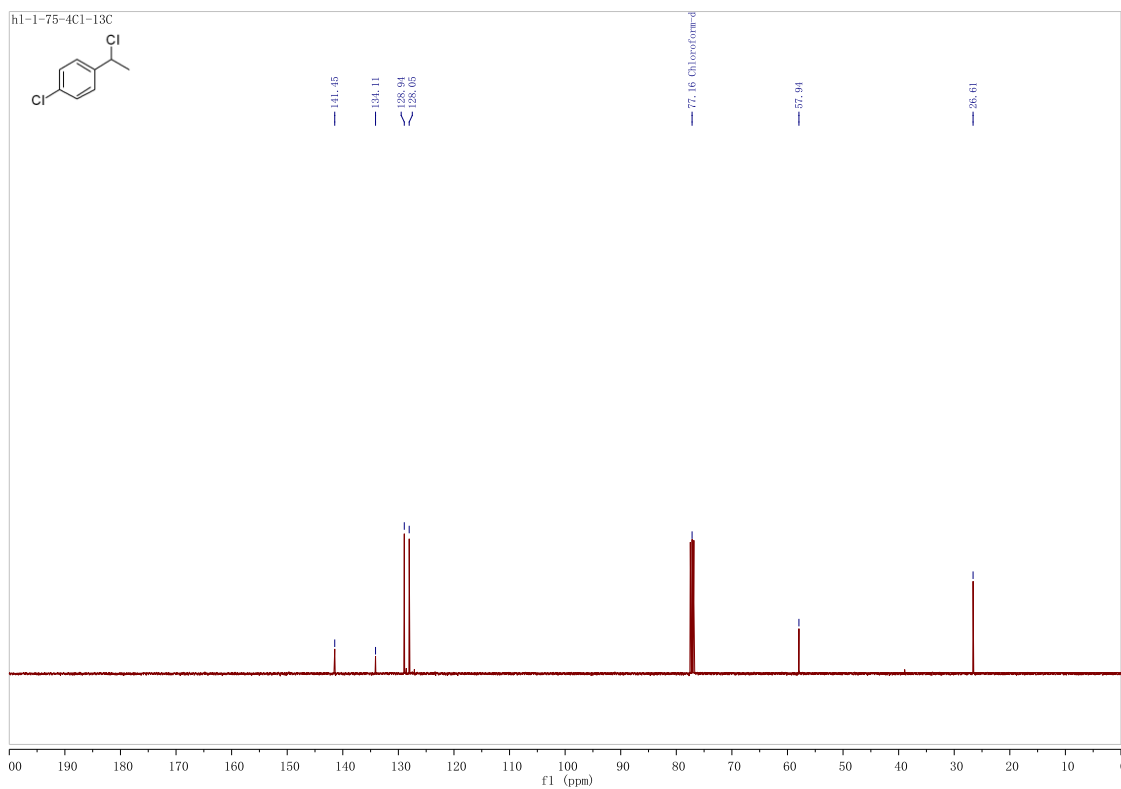
¹³C NMR of 12



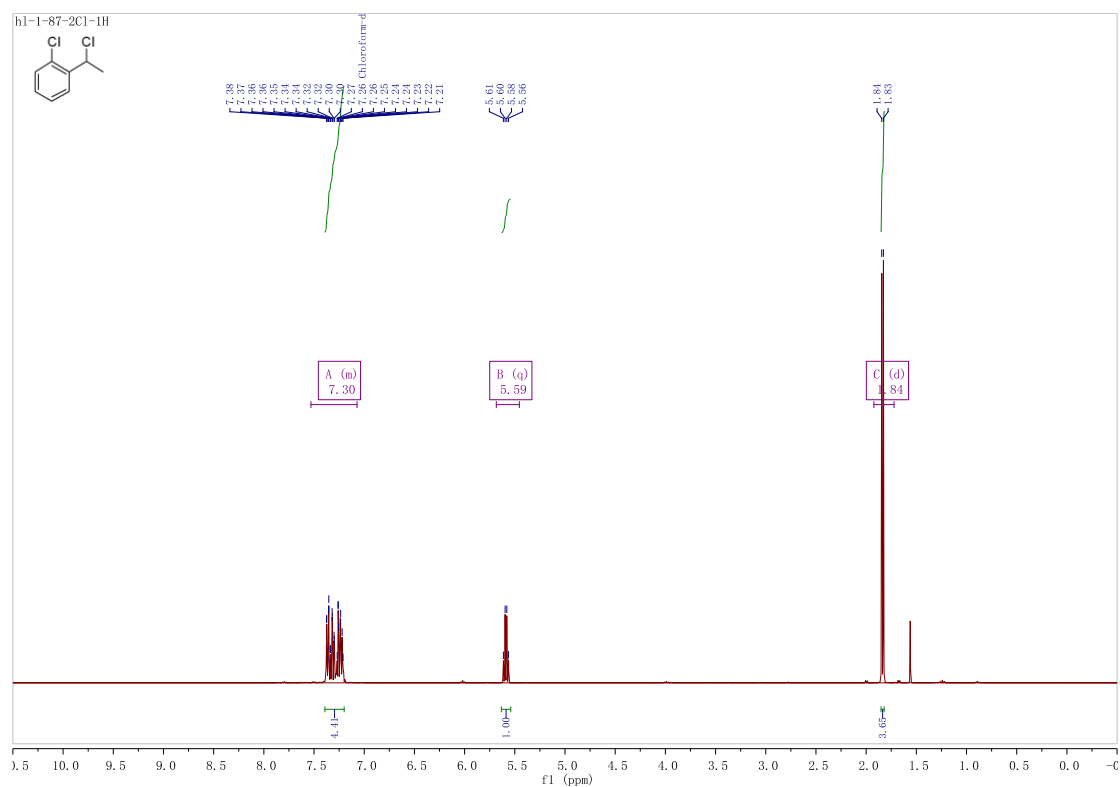
¹H NMR of 16



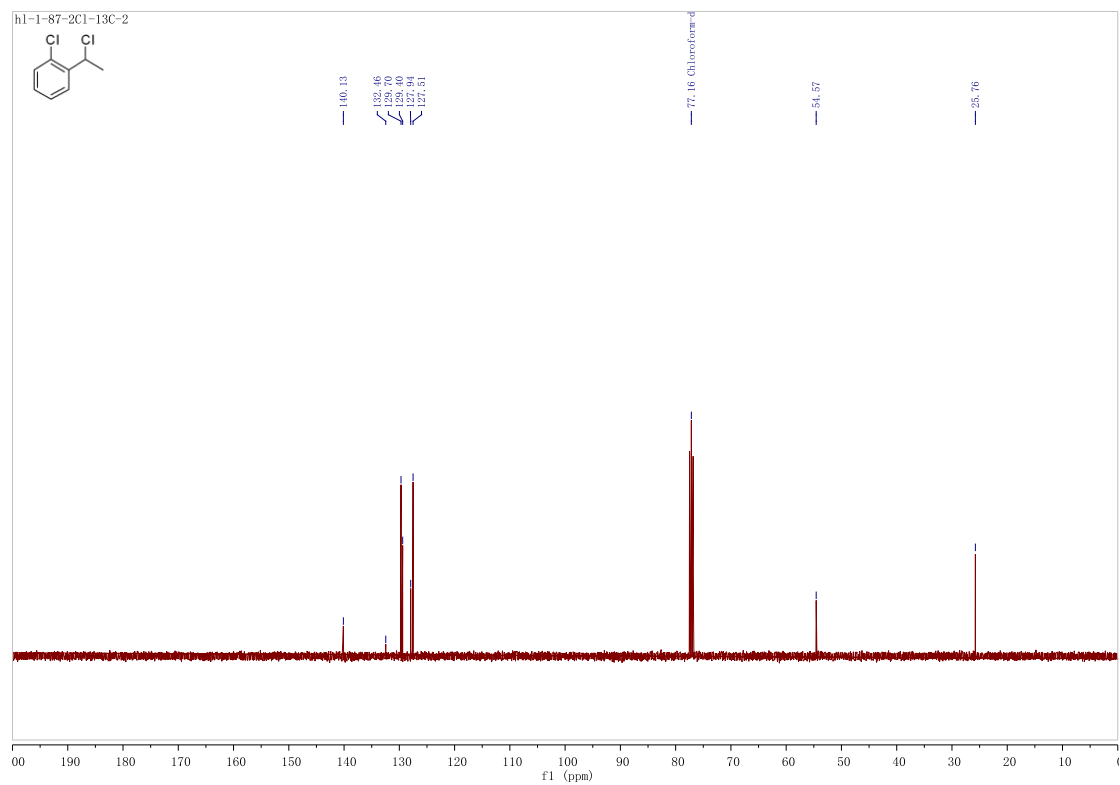
¹³C NMR of 16



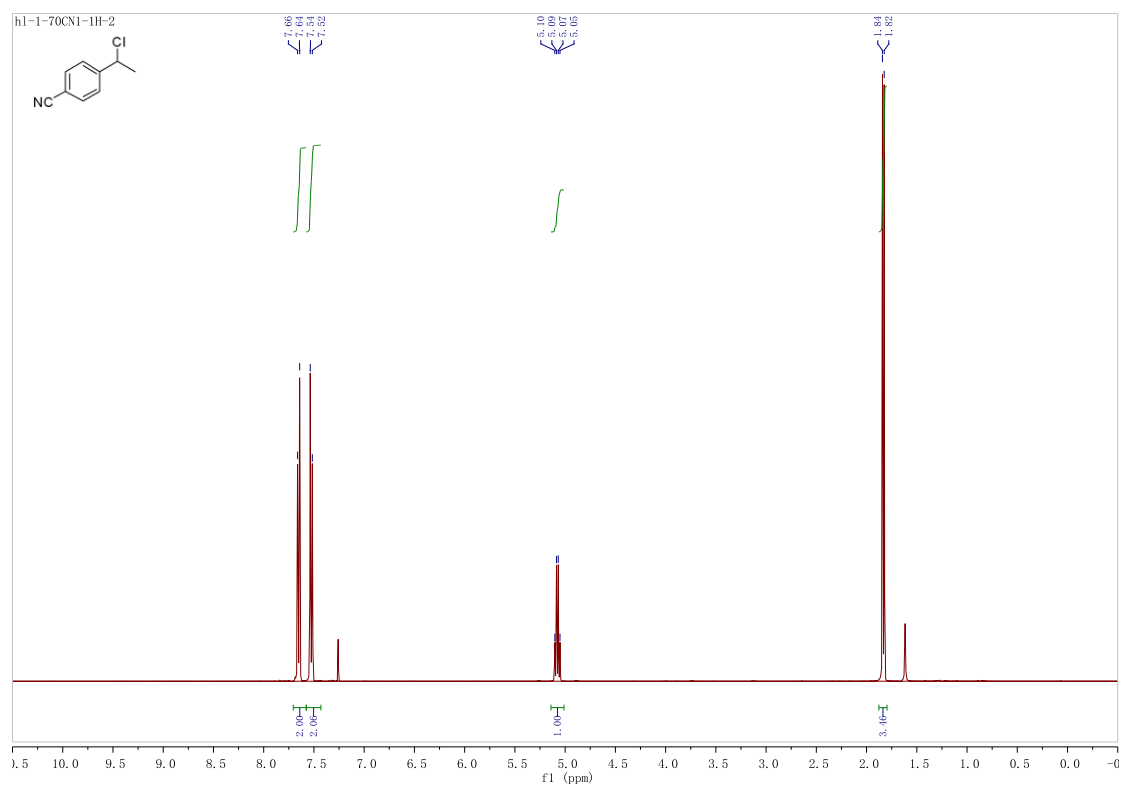
¹H NMR of 20



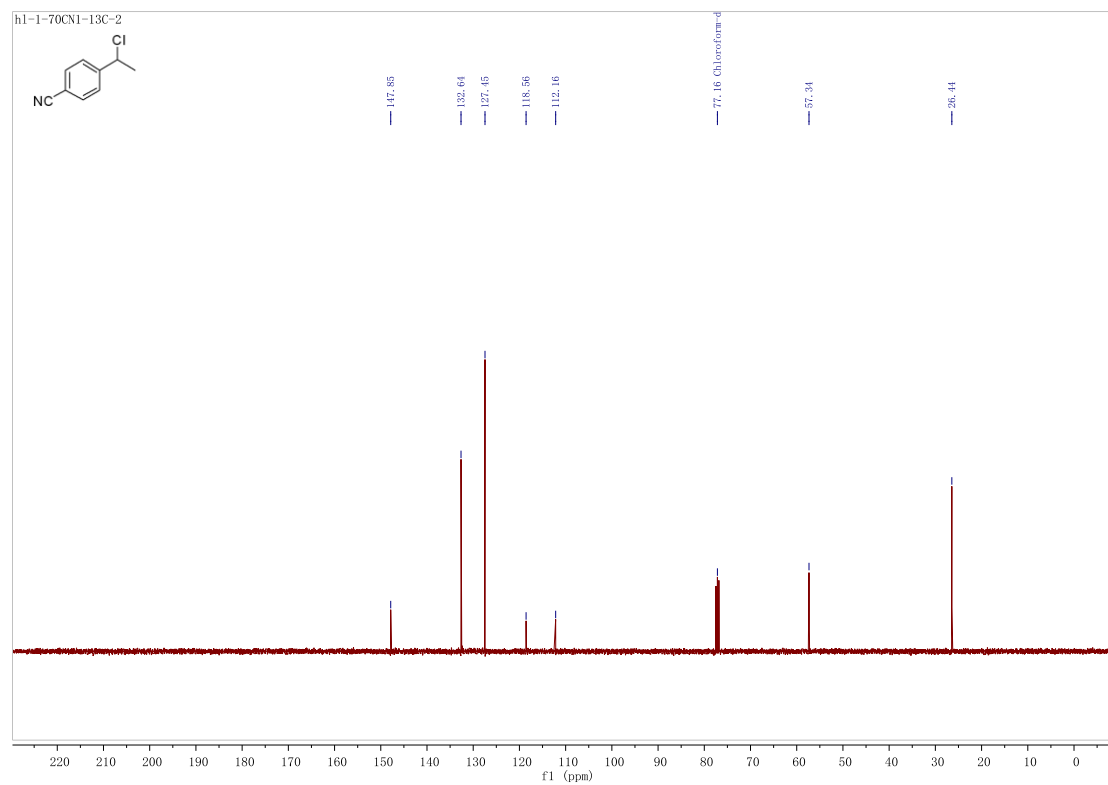
¹³C NMR of 20



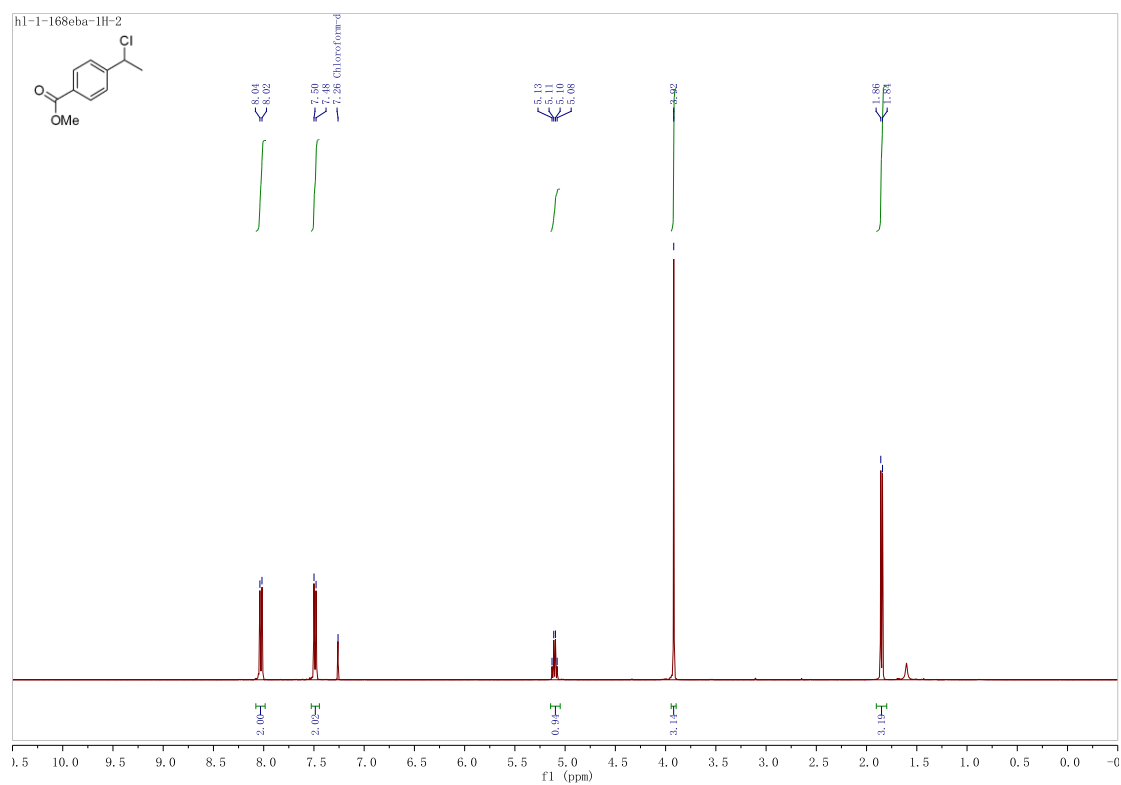
¹H NMR of 22



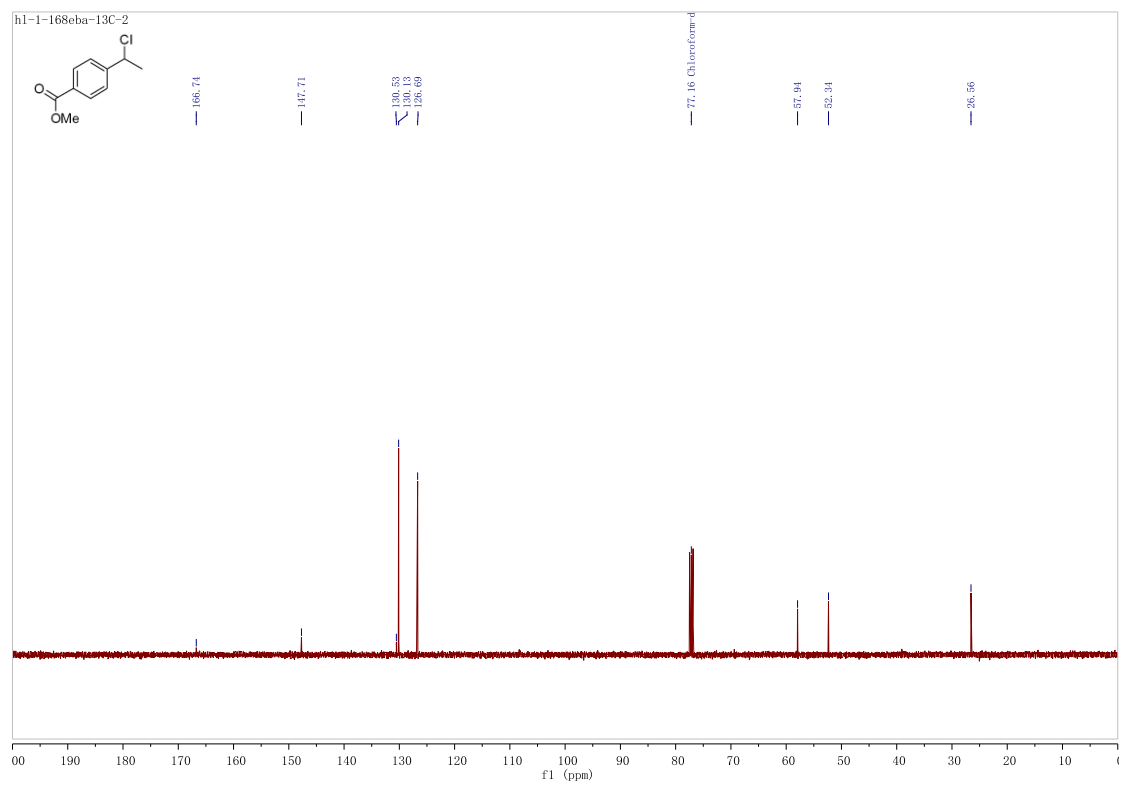
¹³C NMR of 22



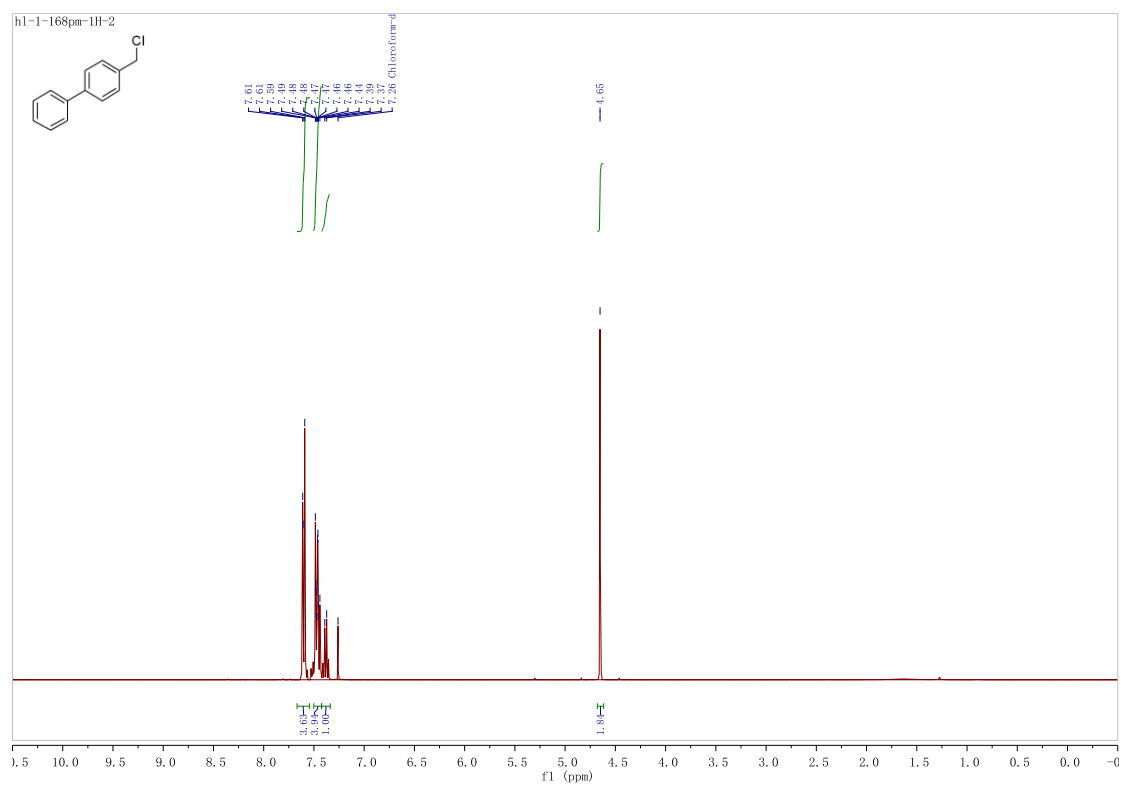
¹H NMR of 24



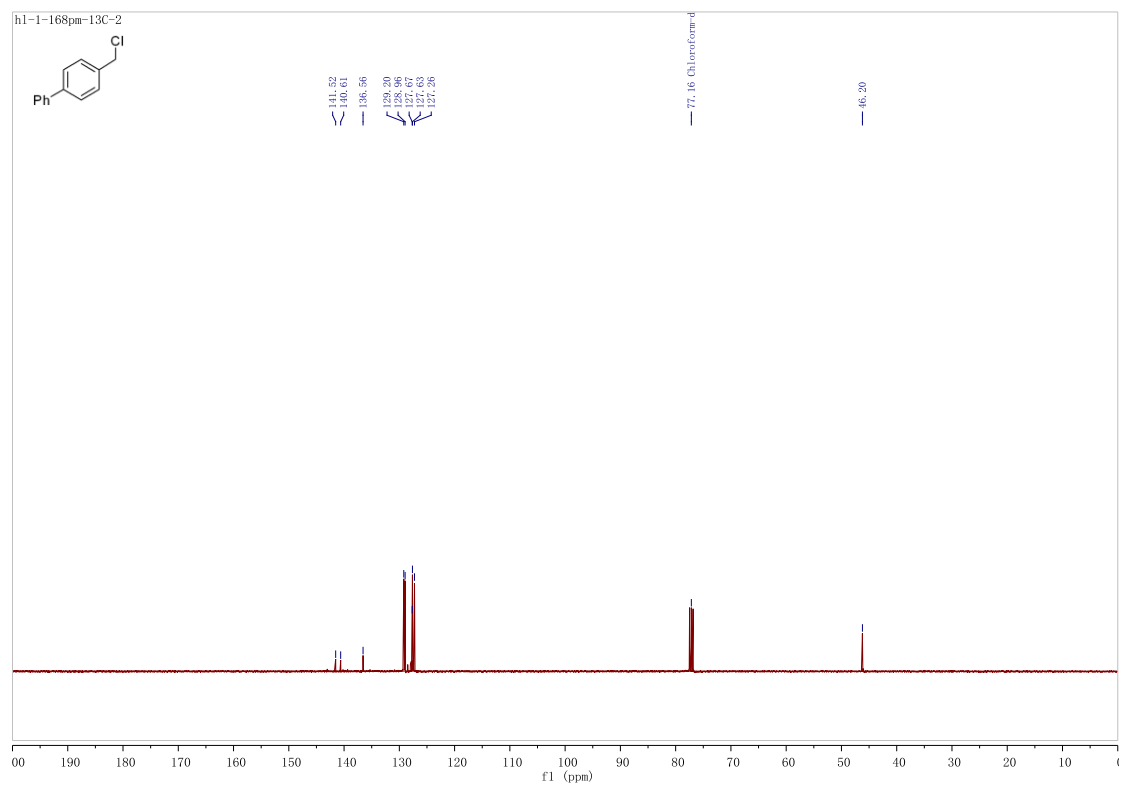
¹³C NMR of 24



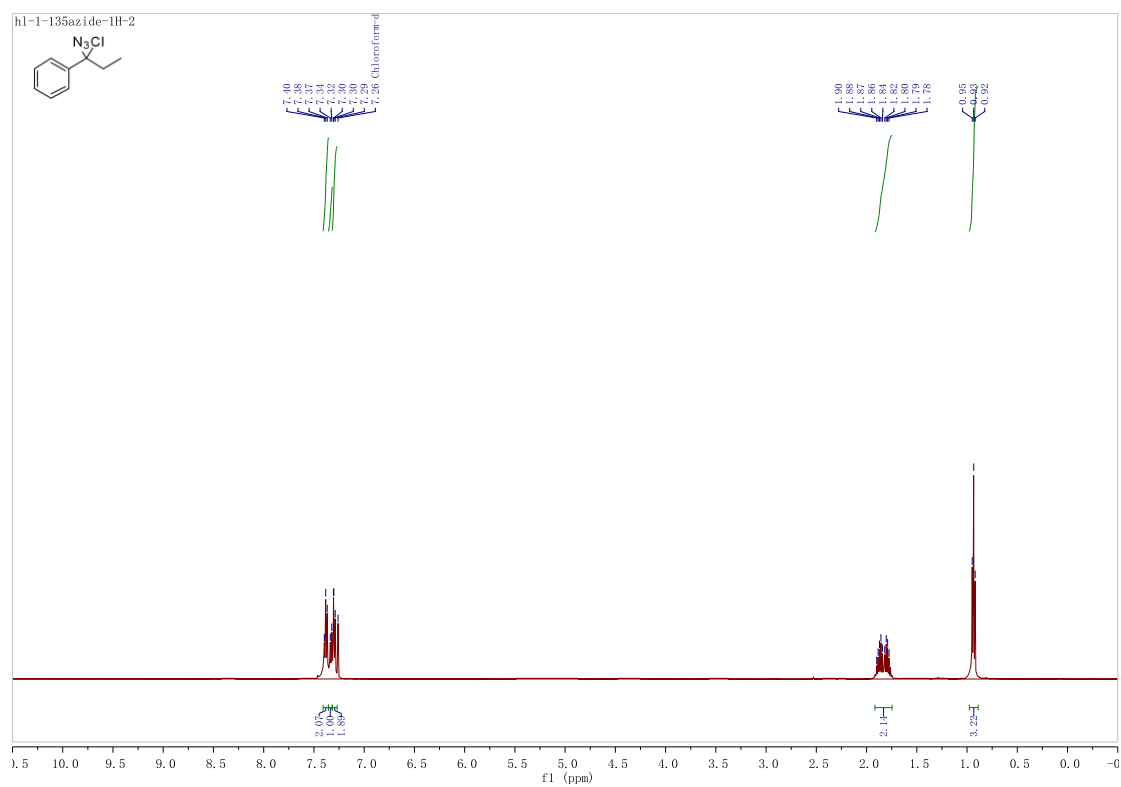
¹H NMR of 26



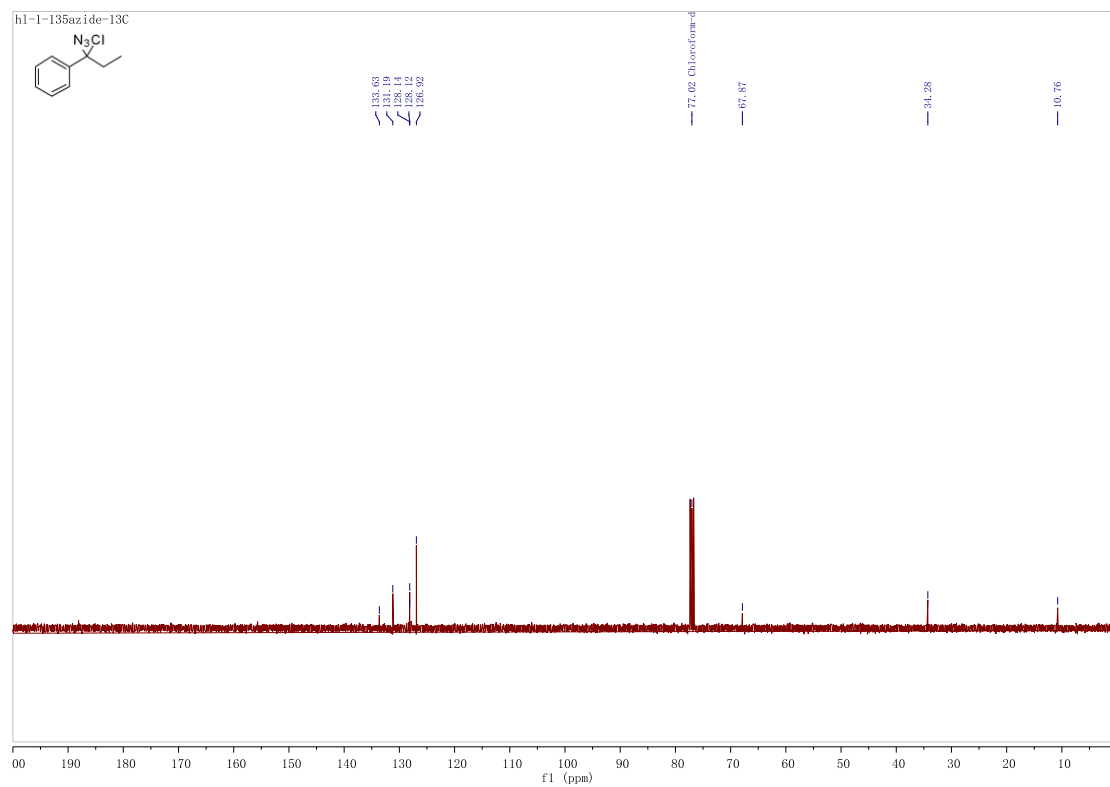
¹³C NMR of 26



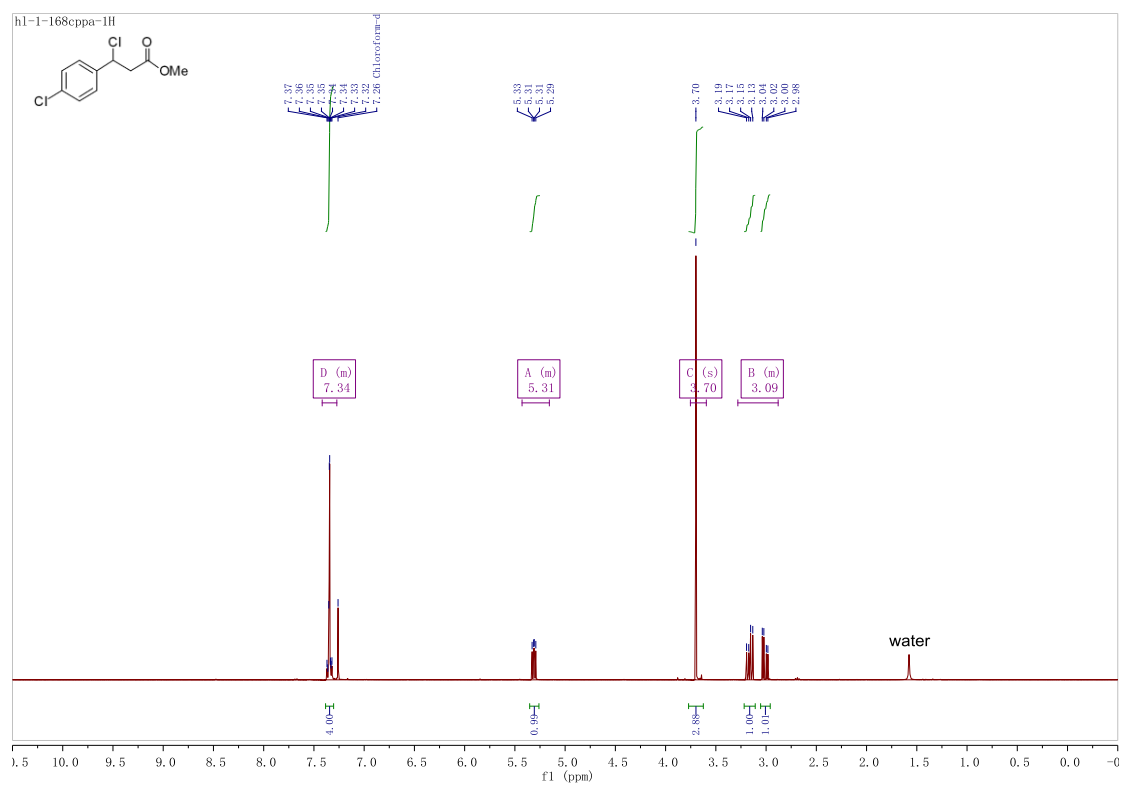
¹H NMR of 28



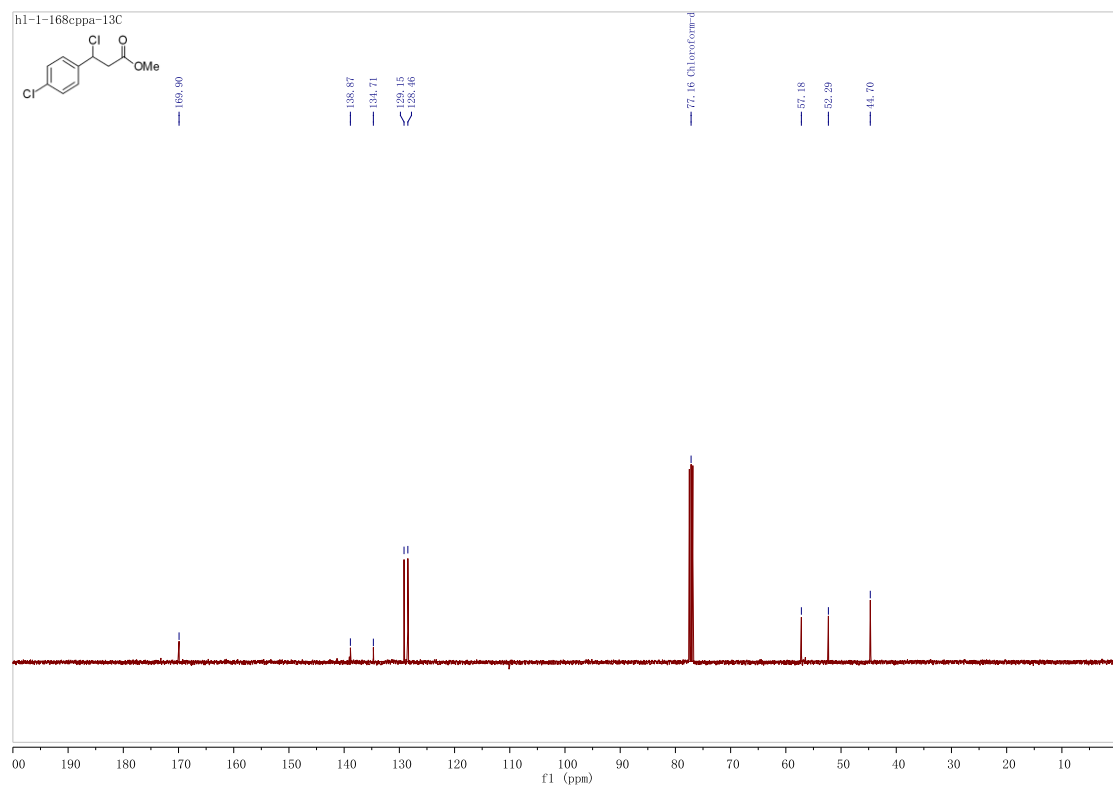
¹³C NMR of 28



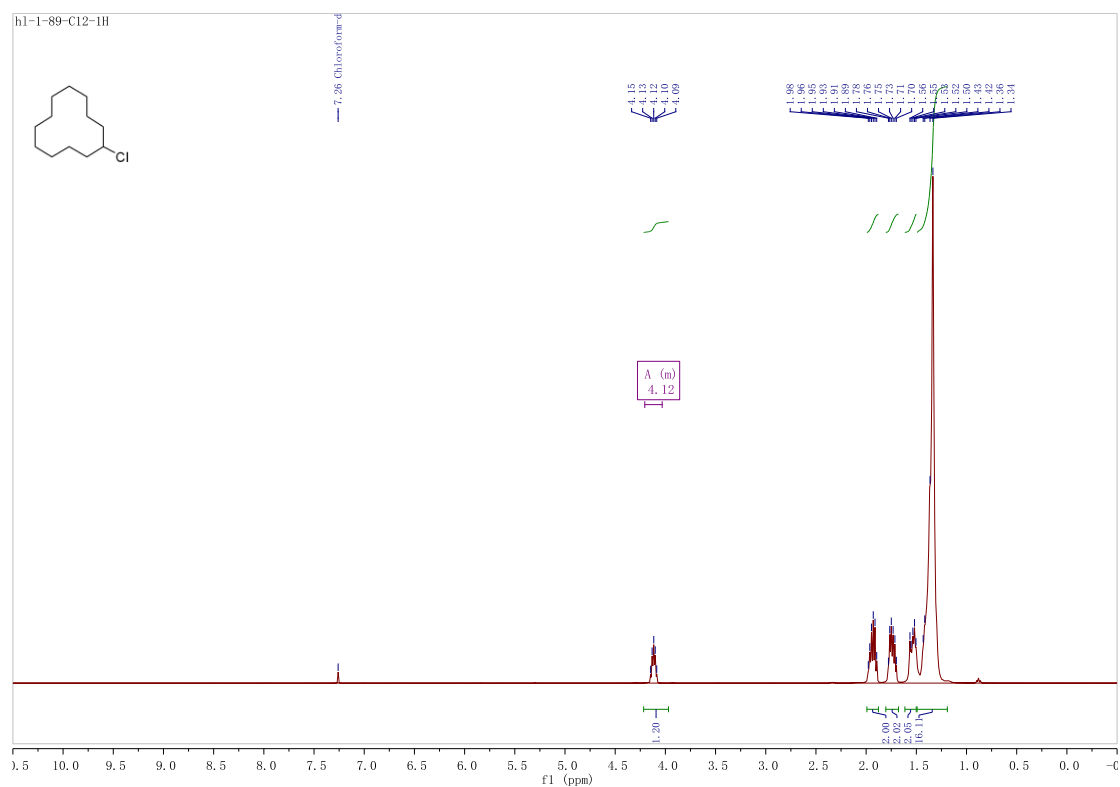
¹H NMR of 30



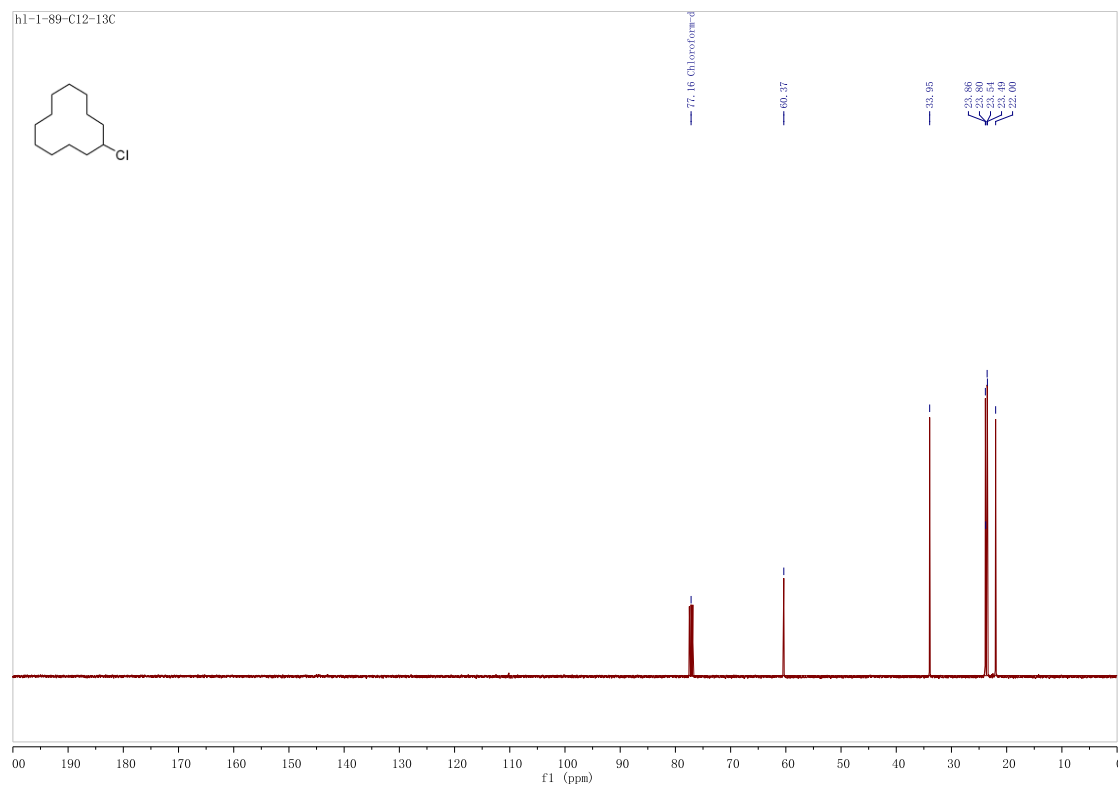
¹³C NMR of 30



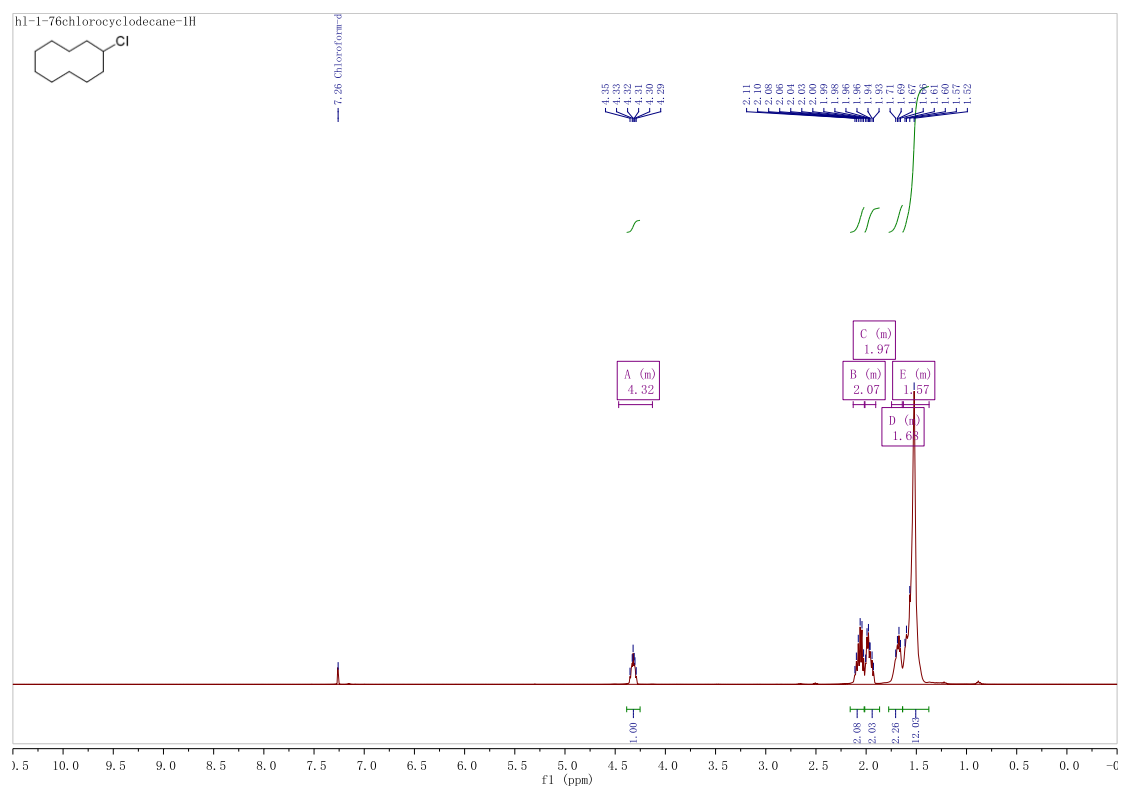
¹H NMR of 32



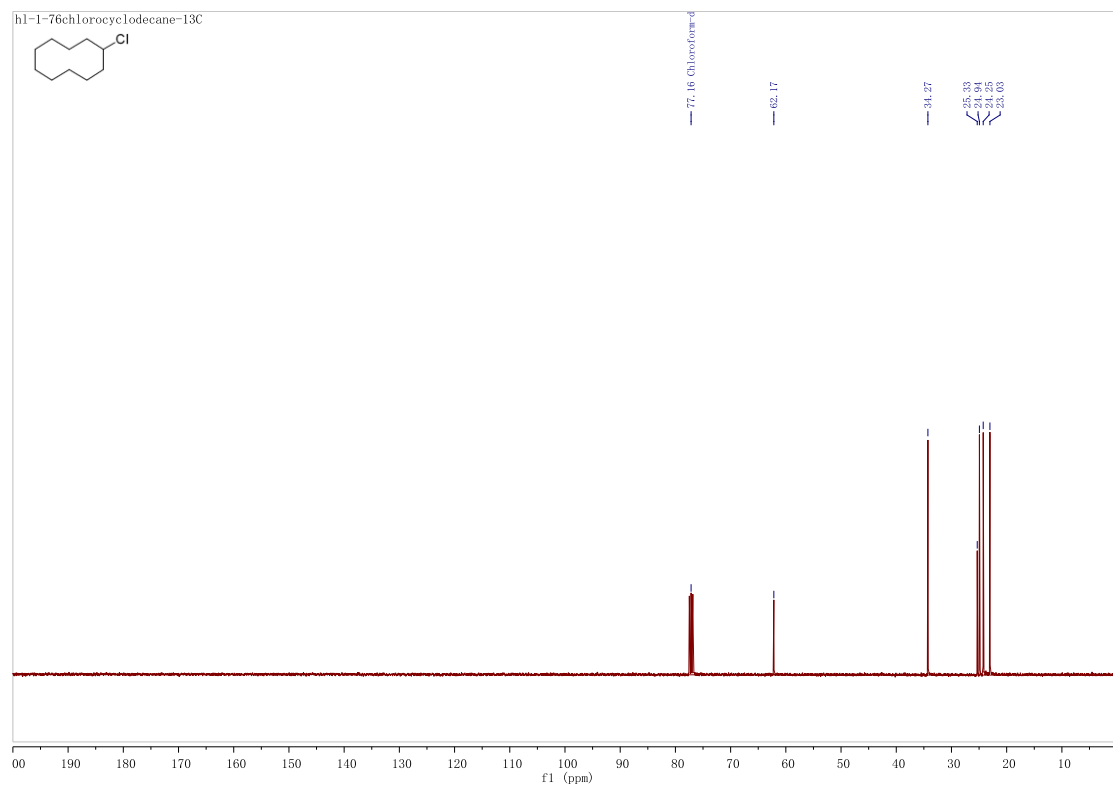
¹³C NMR of 32



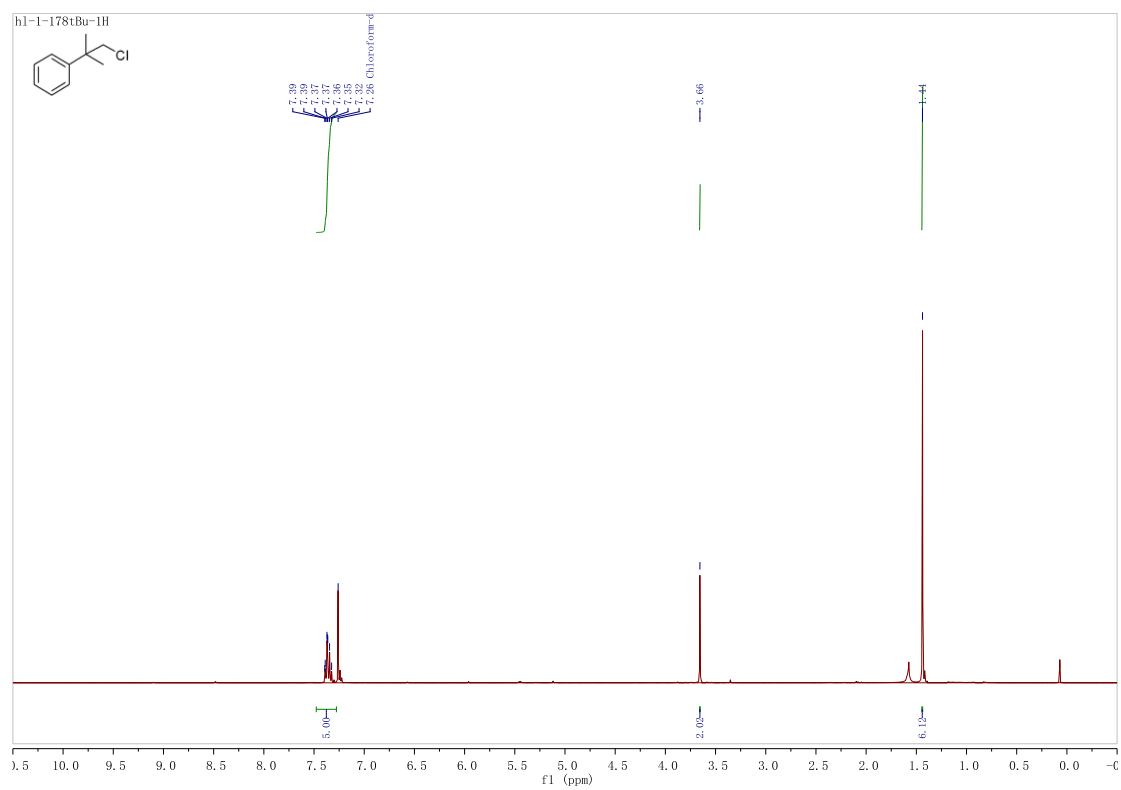
¹H NMR of 34



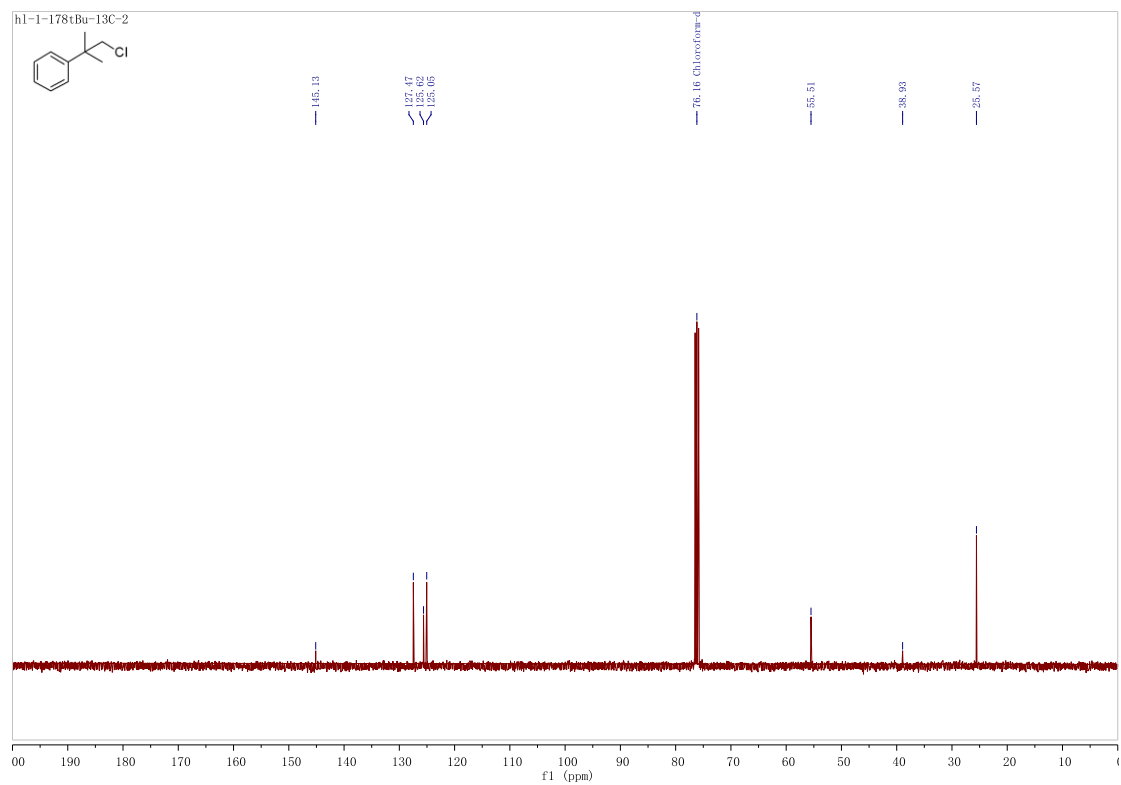
¹³C NMR of 34



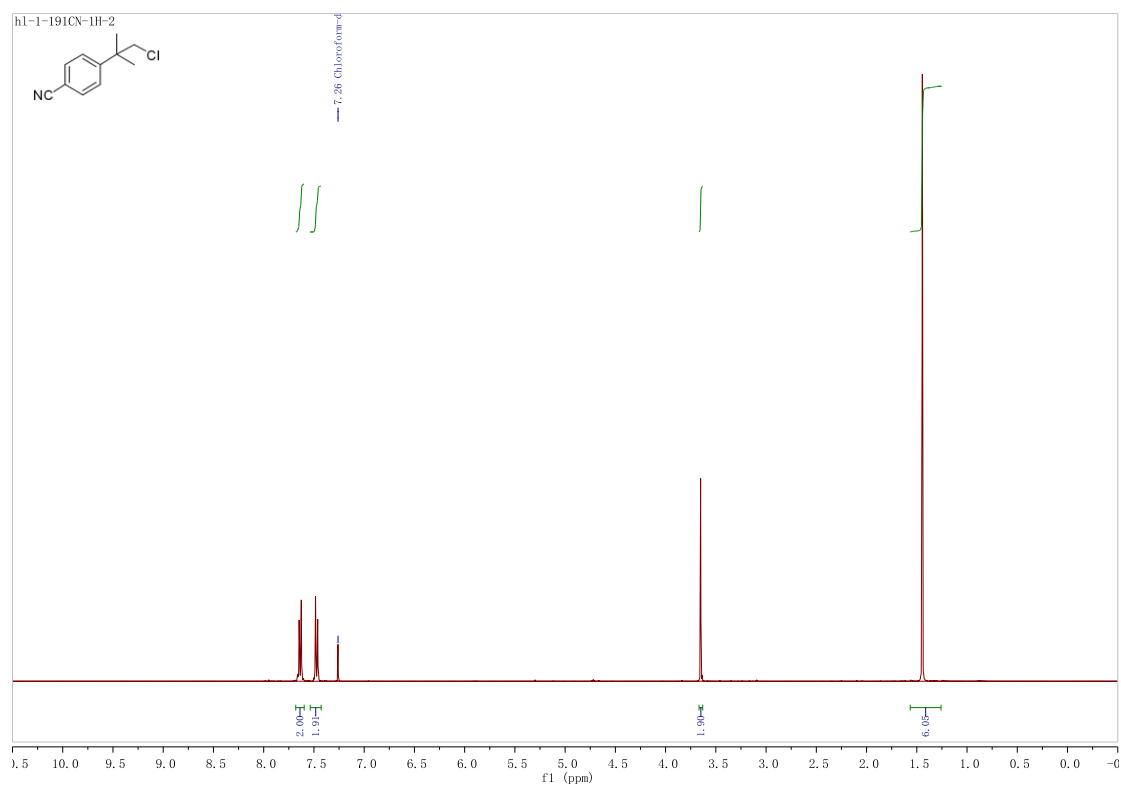
¹H NMR of 36



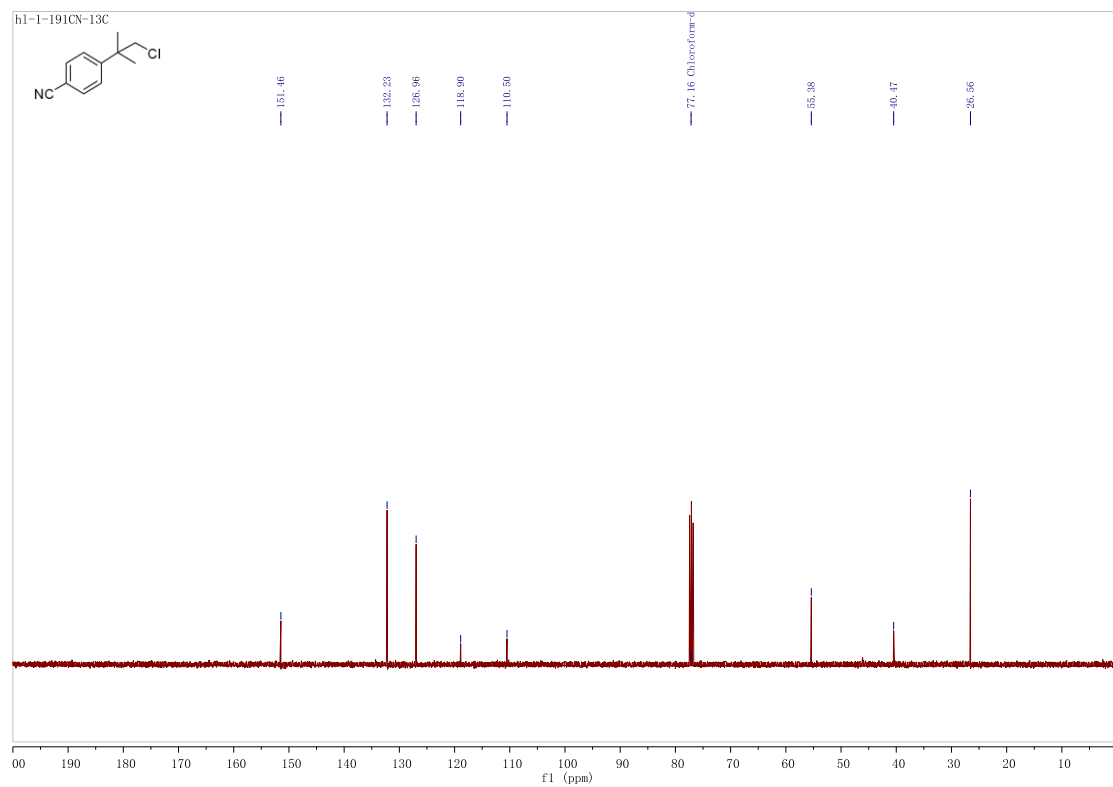
¹³C NMR of 36



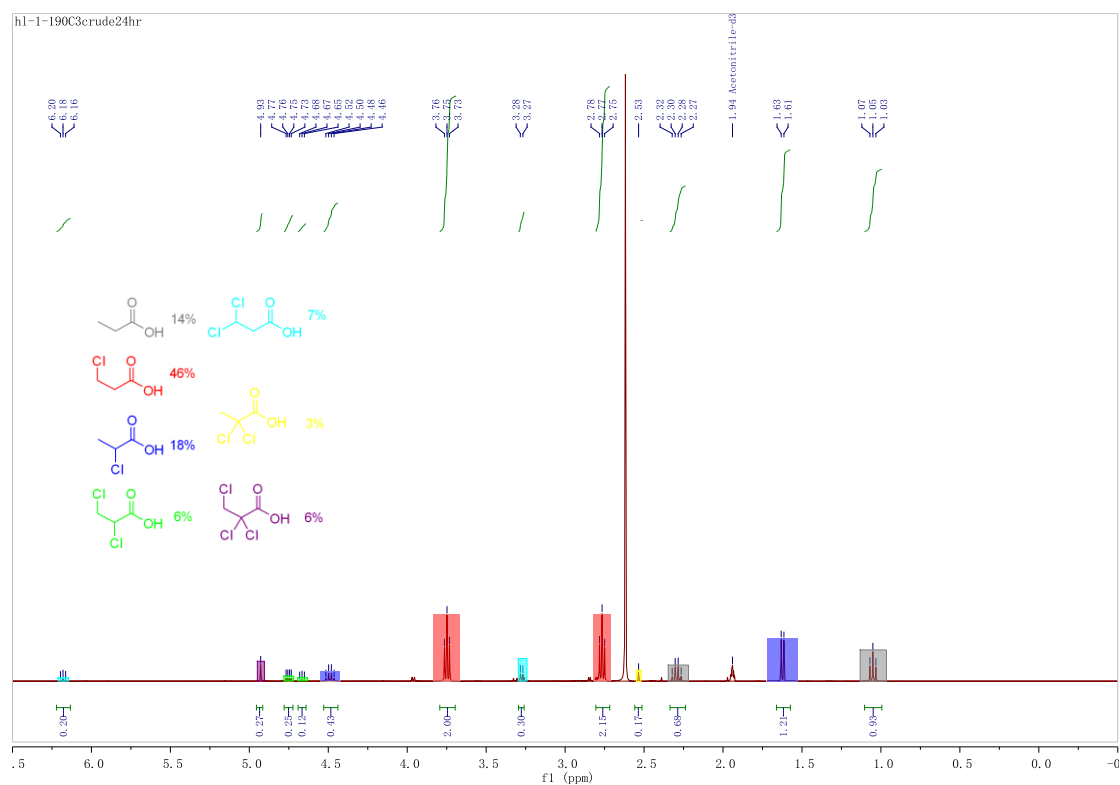
¹H NMR of 38



¹³C NMR of 38



Crude ^1H NMR of 40



Crude ^1H NMR of 42

