

SUPPORTING INFORMATION

A Neighboring Group Participation Strategy: Direct and Highly Diastereoselective Synthesis of 2-Substituted and 2,2-Bisubstituted Perhydrofuro[2,3-*b*]pyran Derivatives

**Xiaofeng Ma,^{a, b} Qin Tang,^{a, b} Jun Ke,^{a, b} Jichao Zhang,^{a, b} Xinglong Yang,^{a, b} Xudong Shen,^{a, b} and
Huawu Shao^{a,*}**

^a *Chengdu Institute of Biology, Chinese Academy of Sciences, Chengdu 610041, China,*

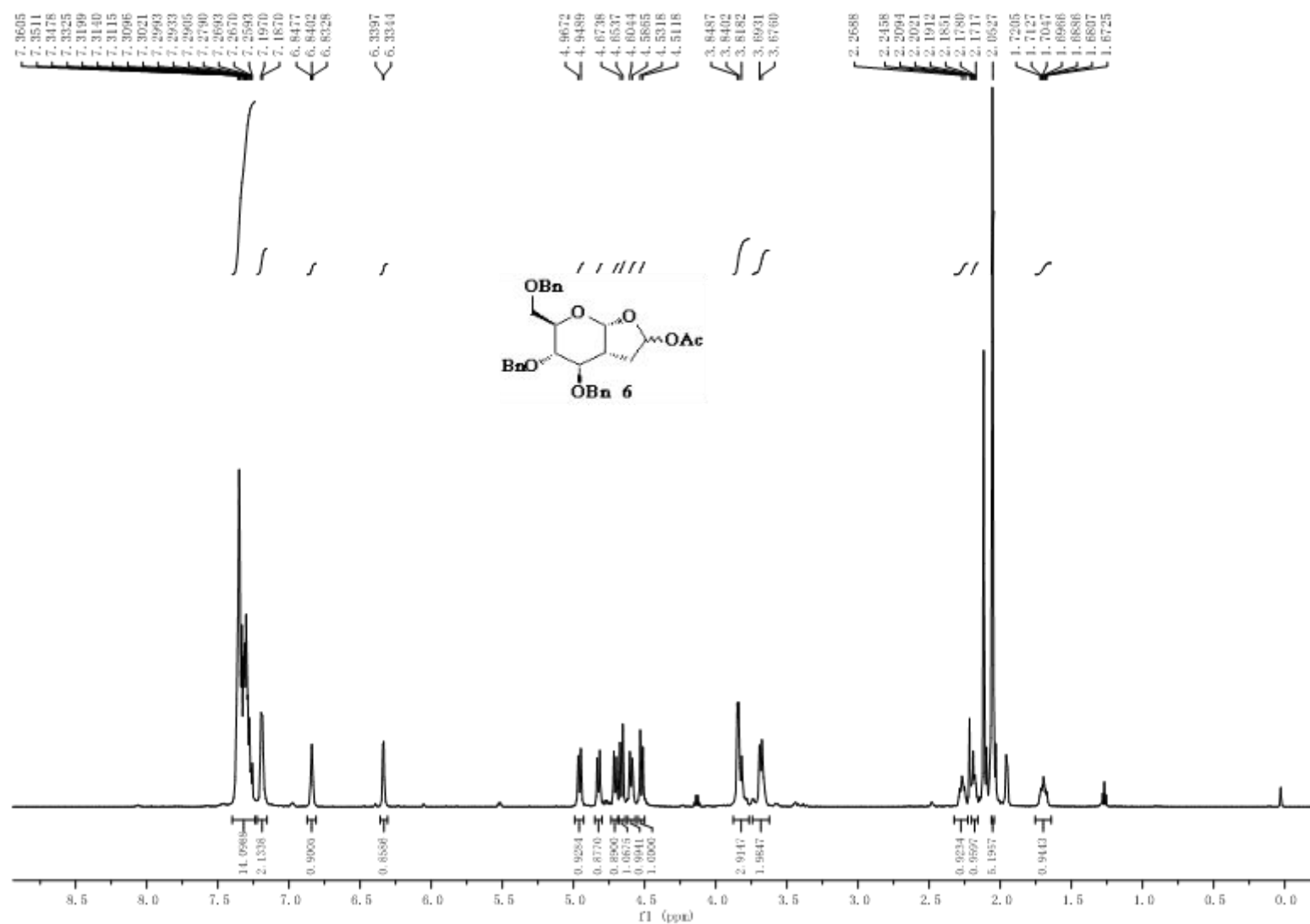
^b *The University of Chinese Academy of Sciences, China*

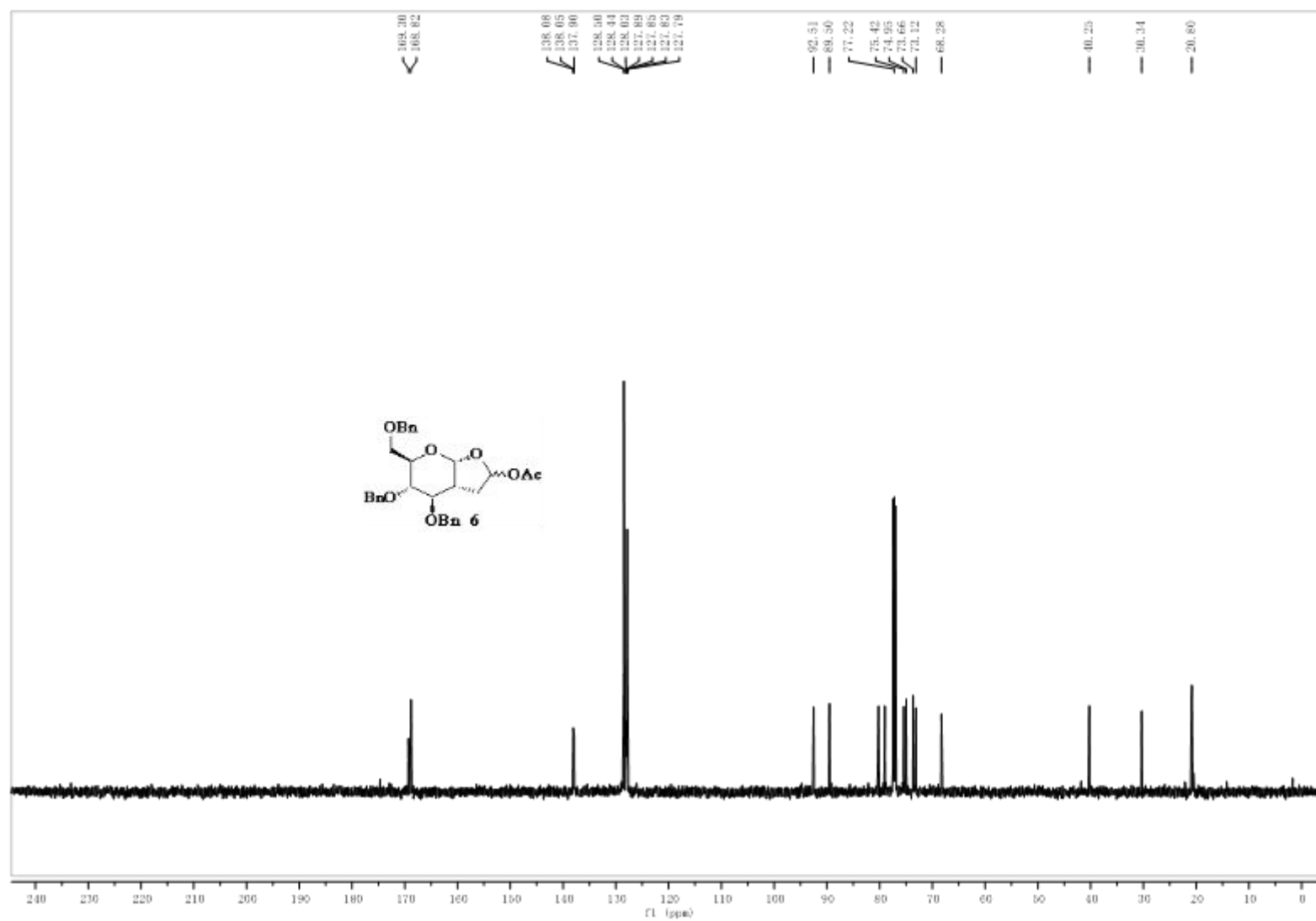
*Correspondence author: E-mail: shaohw@cib.ac.cn

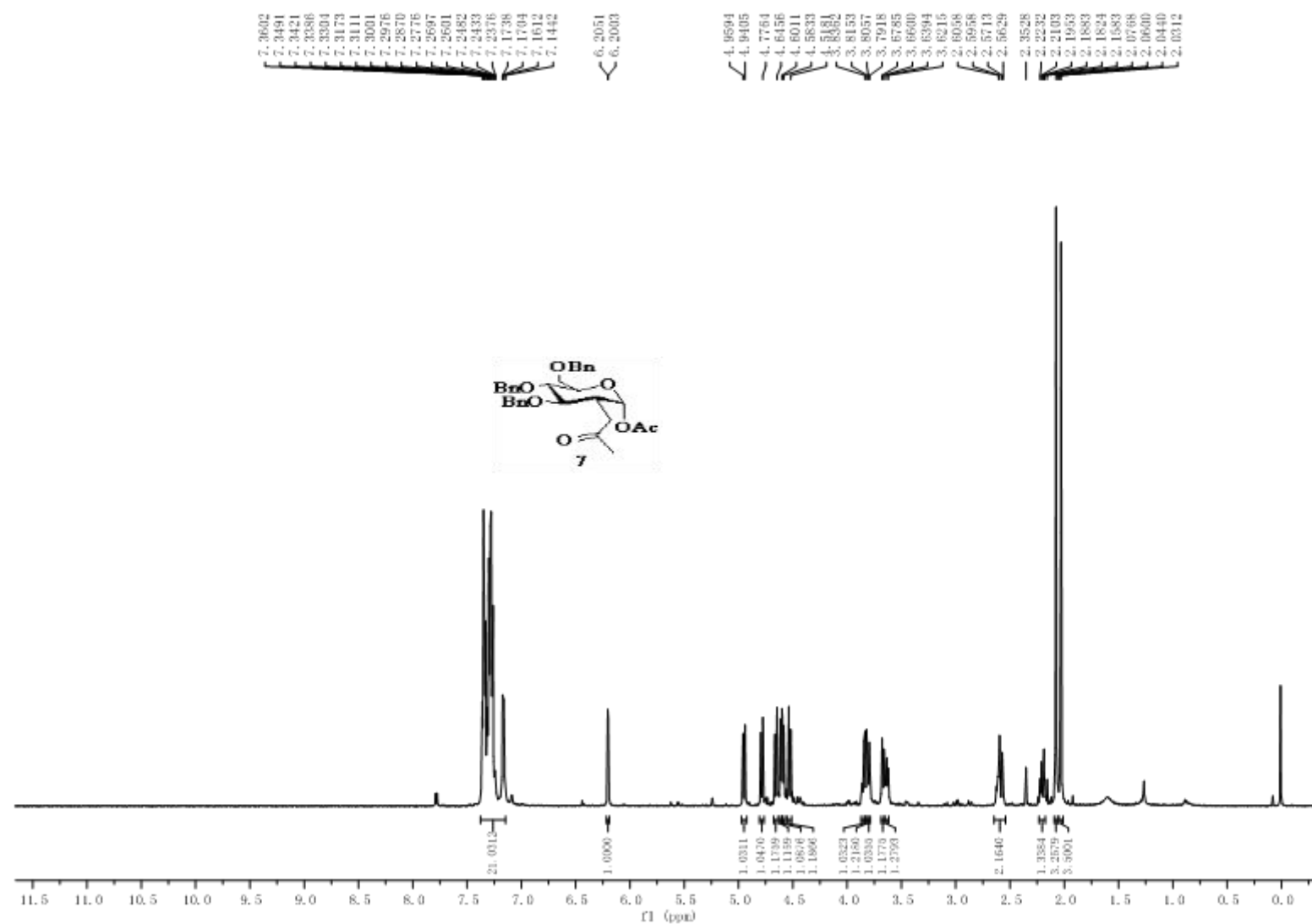
Fax: (+86) 28-82890288

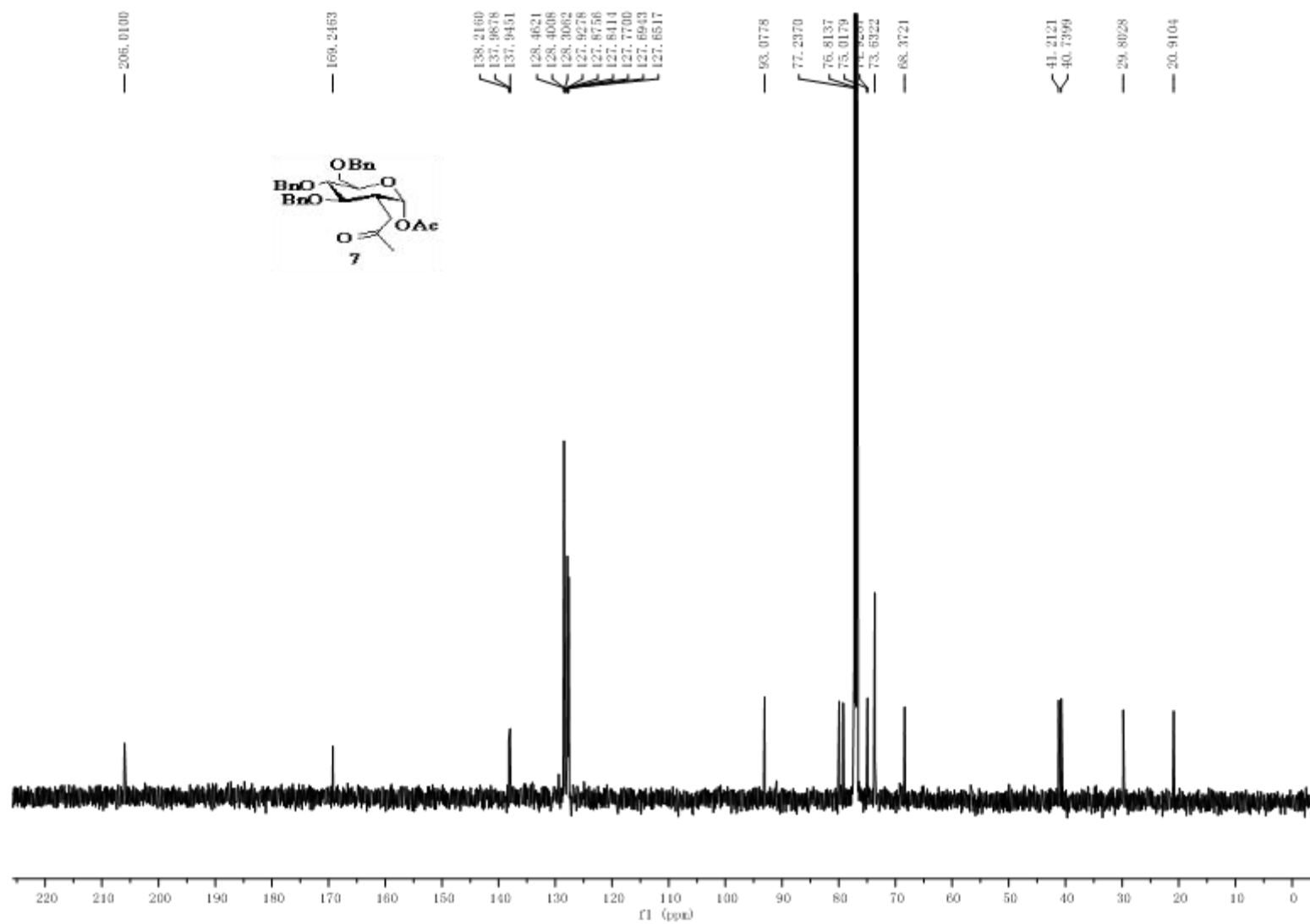
Table of Content

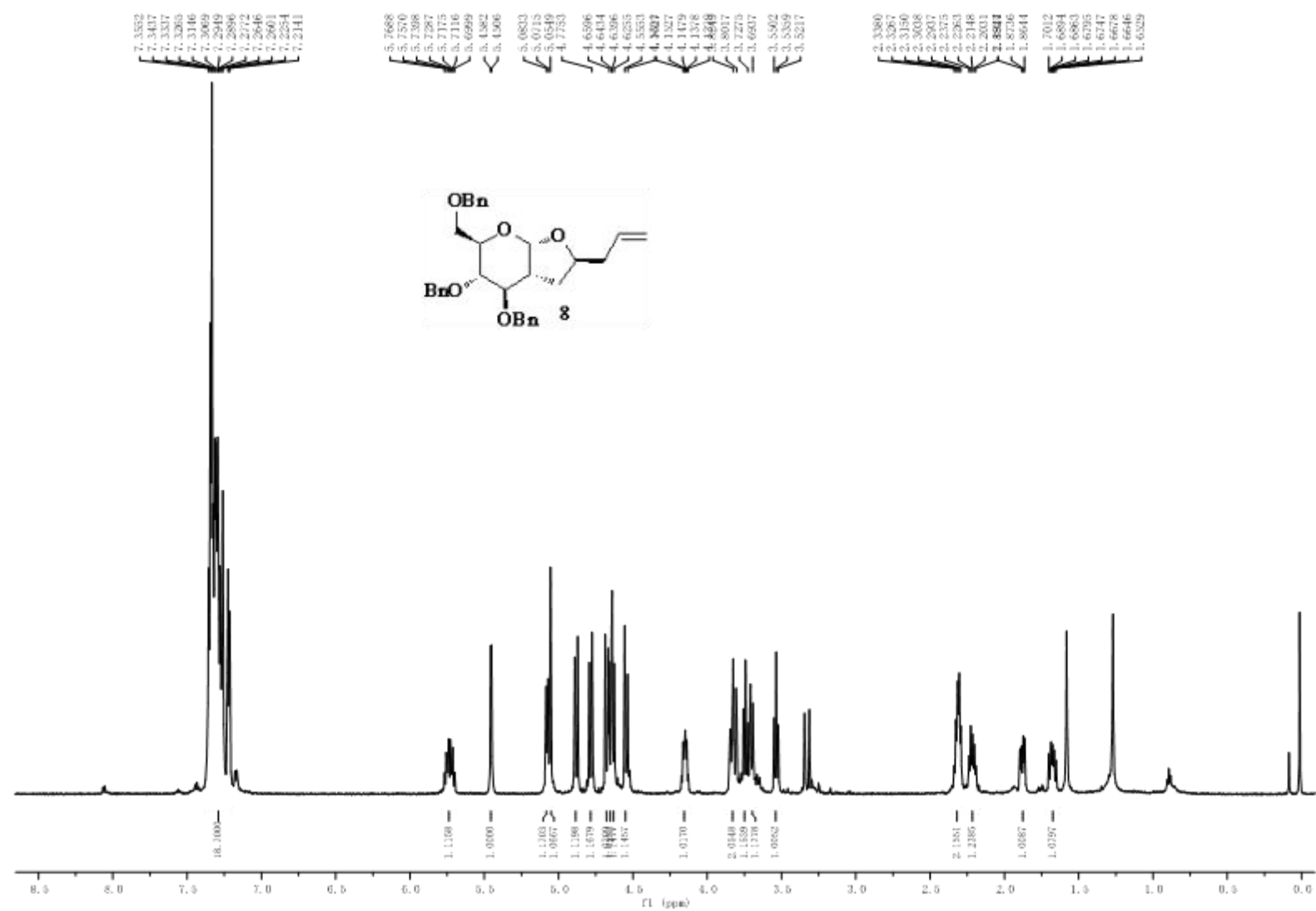
NMR Spectral for All New compounds-----	3-38
X-ray Crystal Structure for Compound 25 -----	39

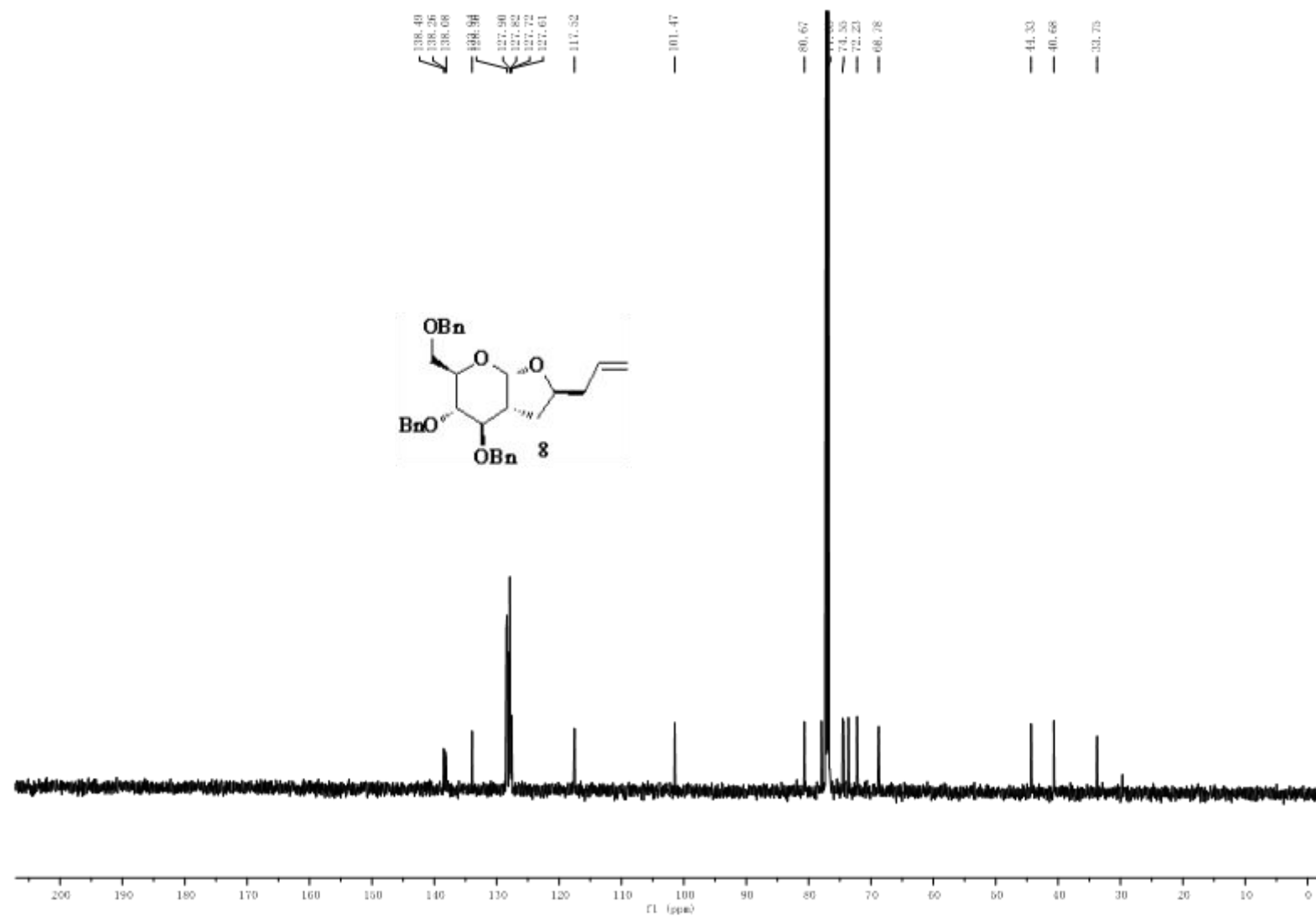


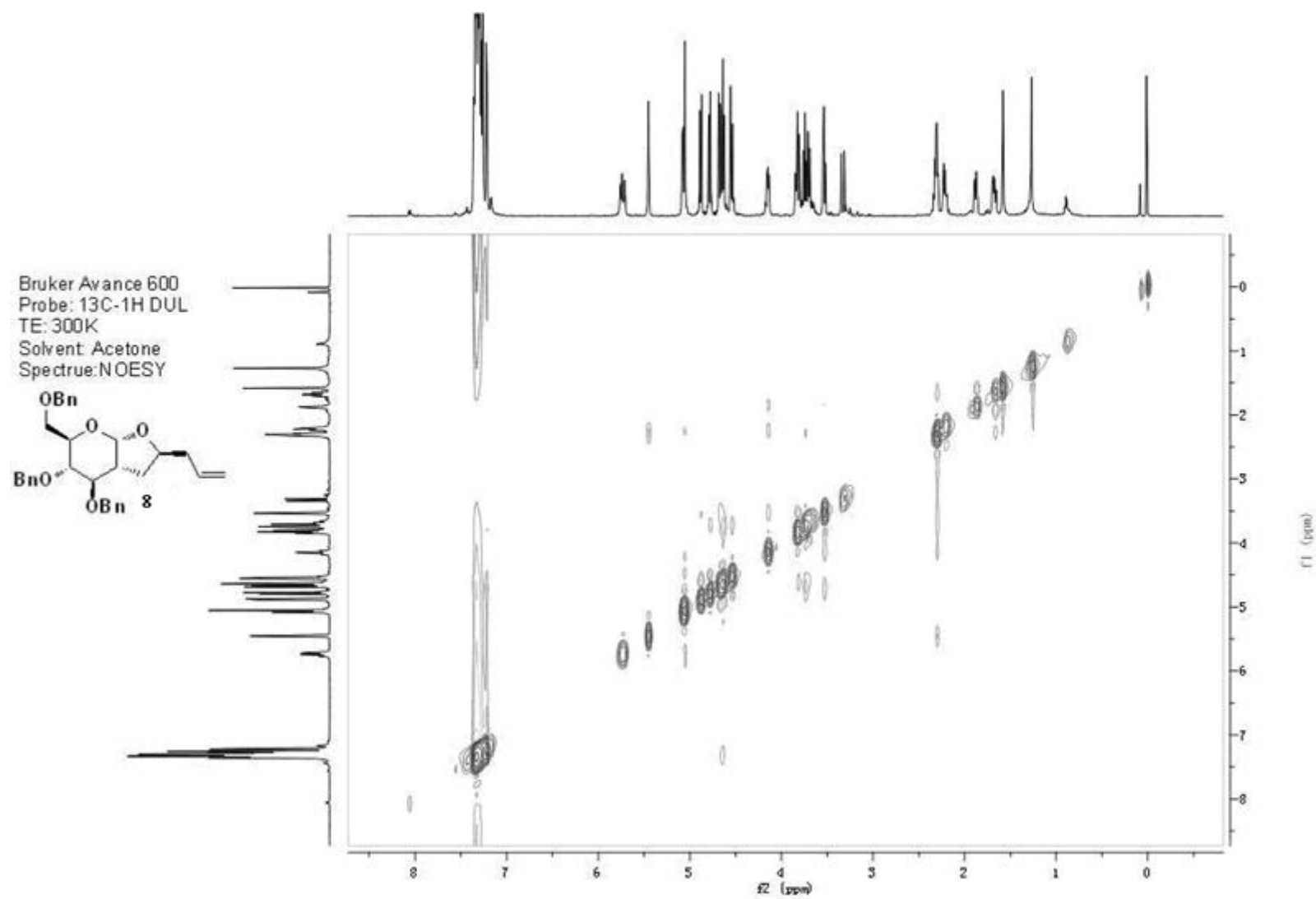




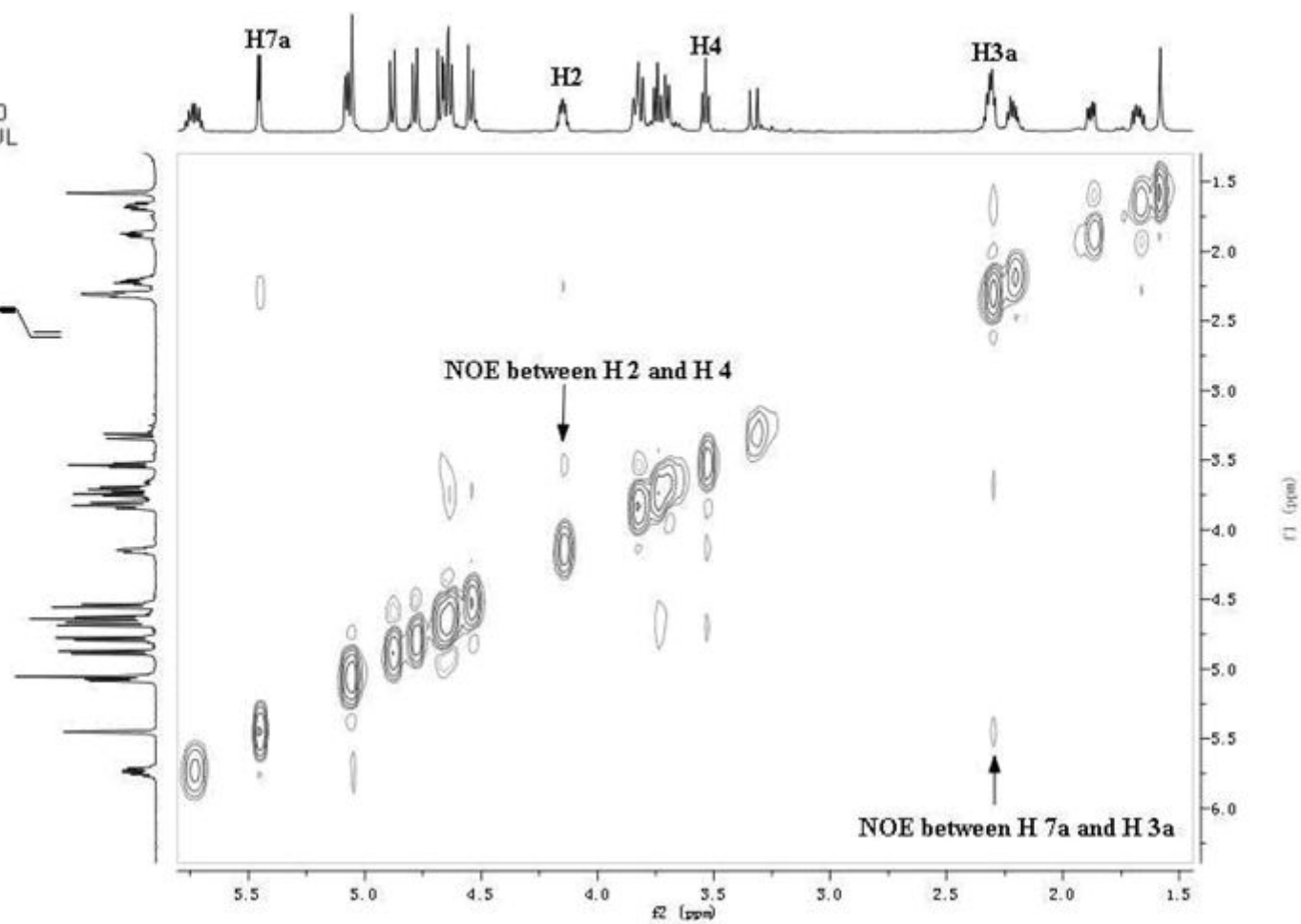
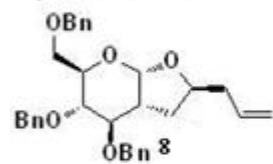


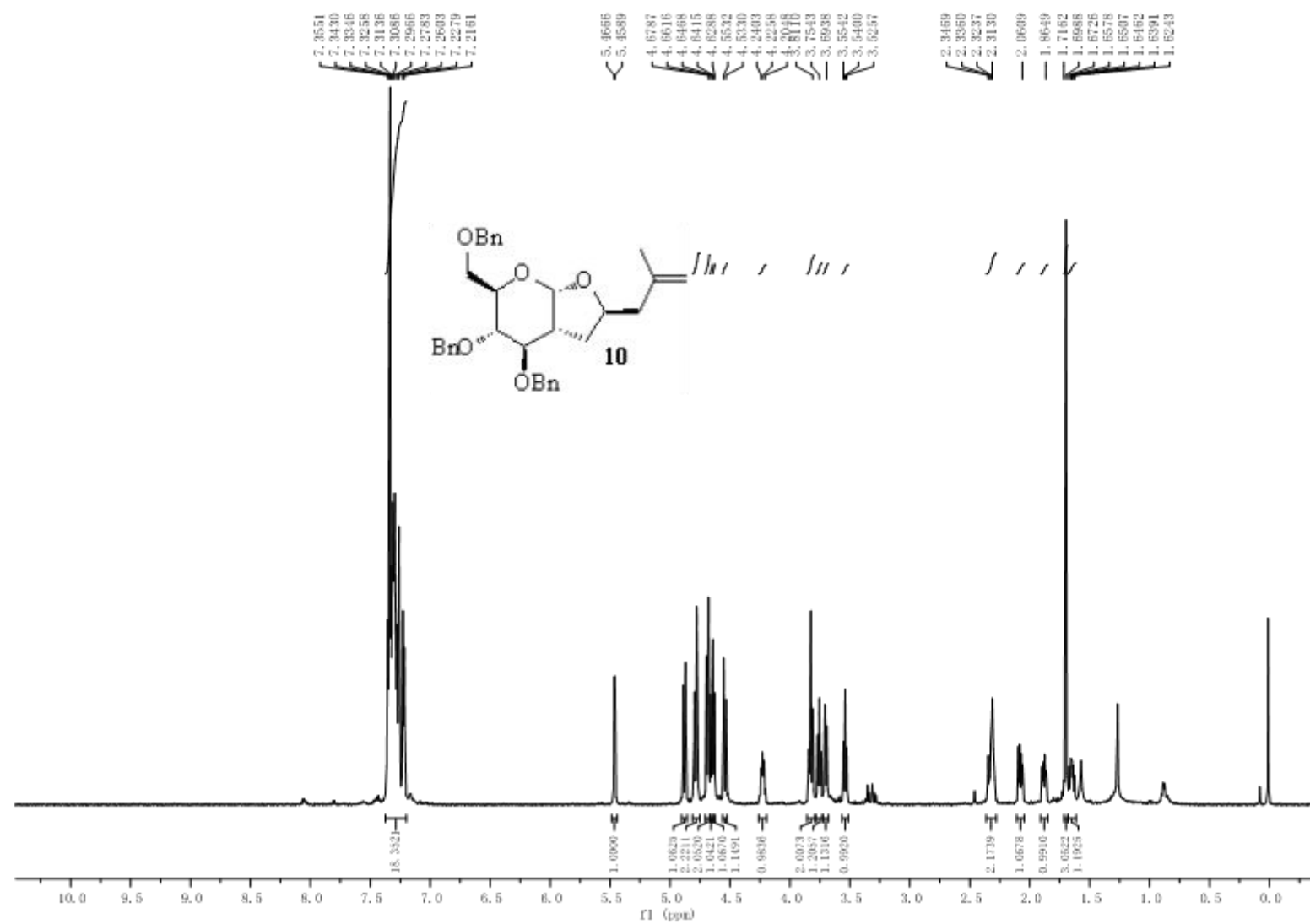


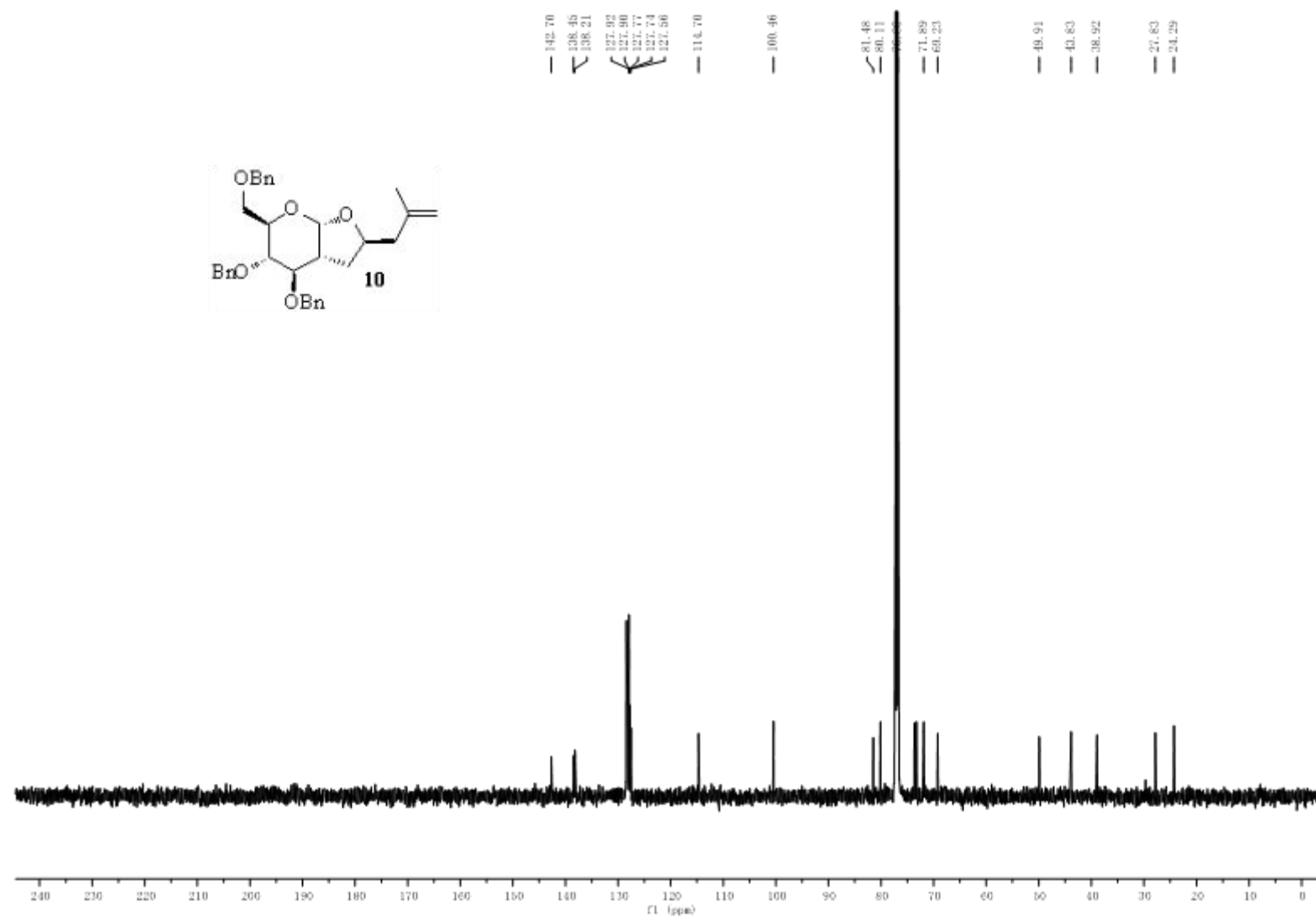


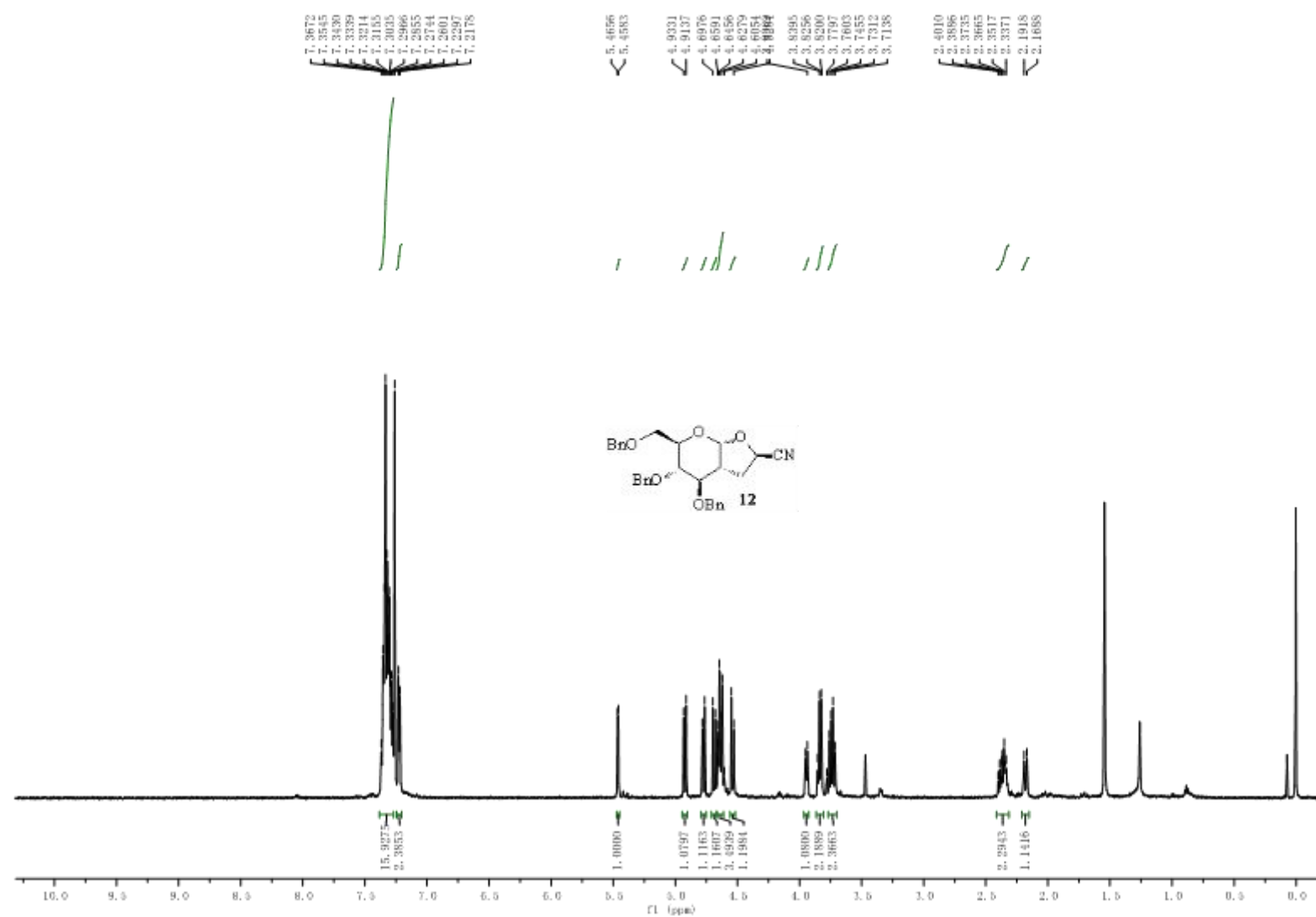


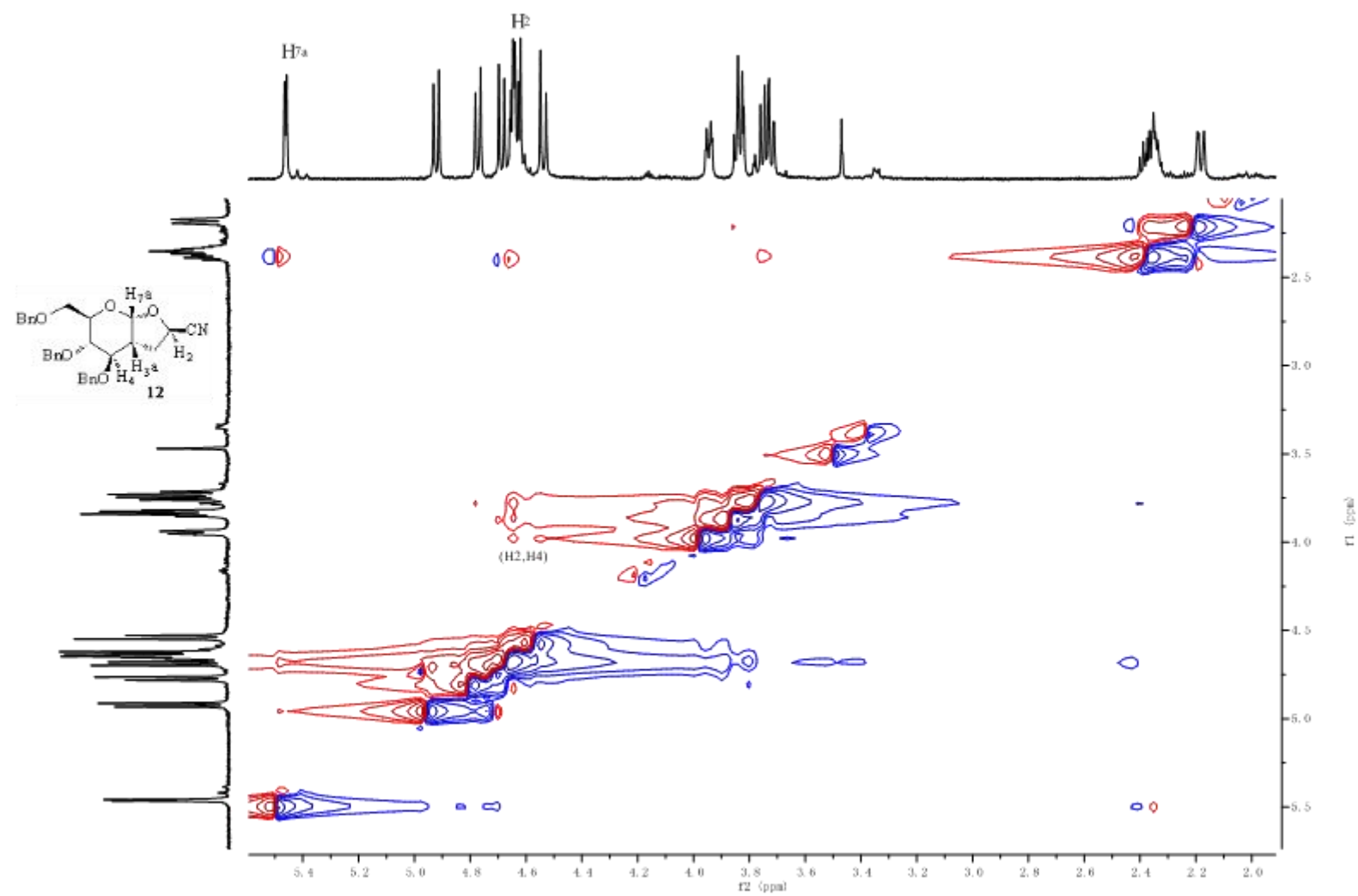
Bruker Avance 600
 Probe: 13C-1H DUL
 TE: 300K
 Solvent: Acetone
 Spectrue: NOESY

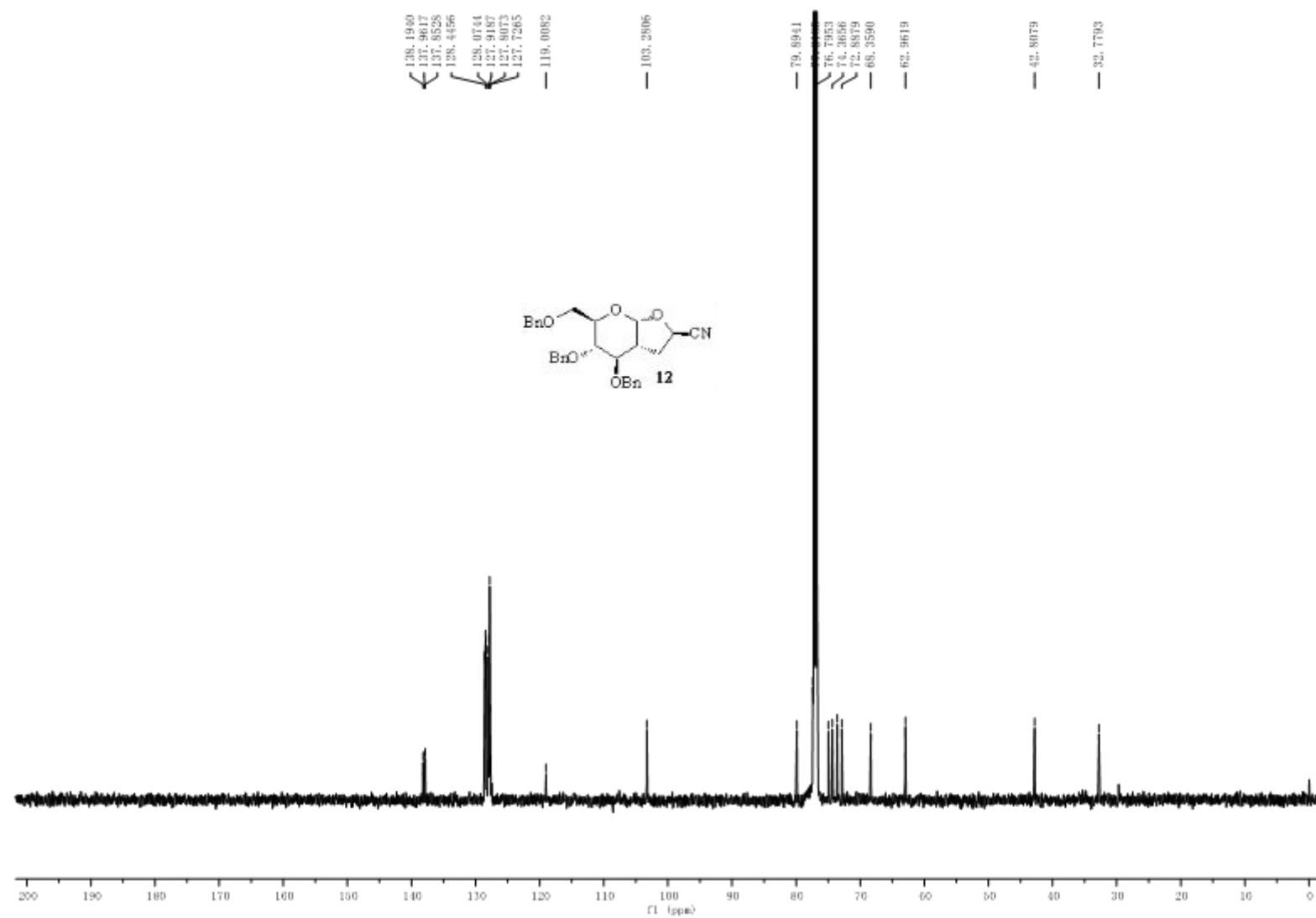


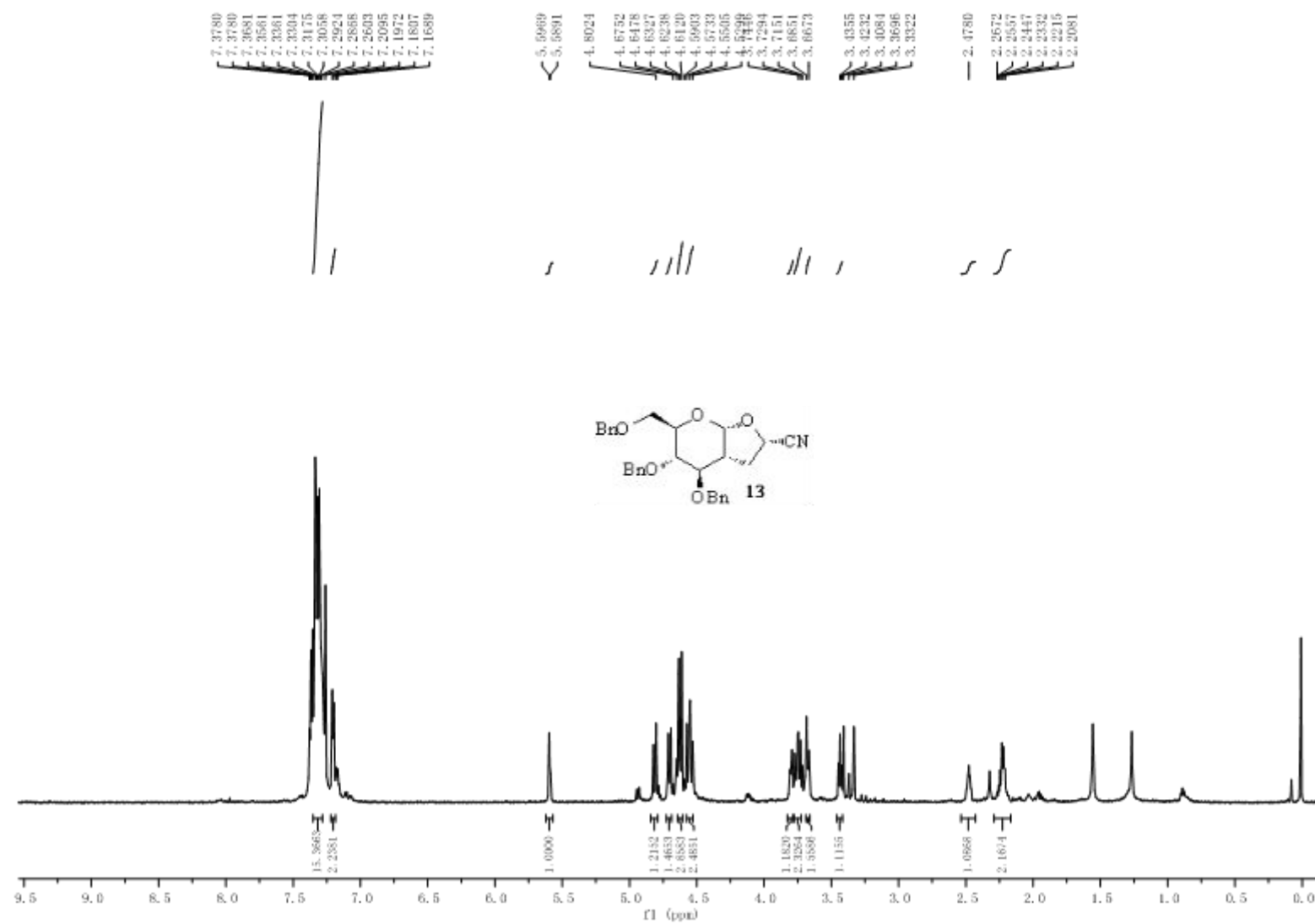


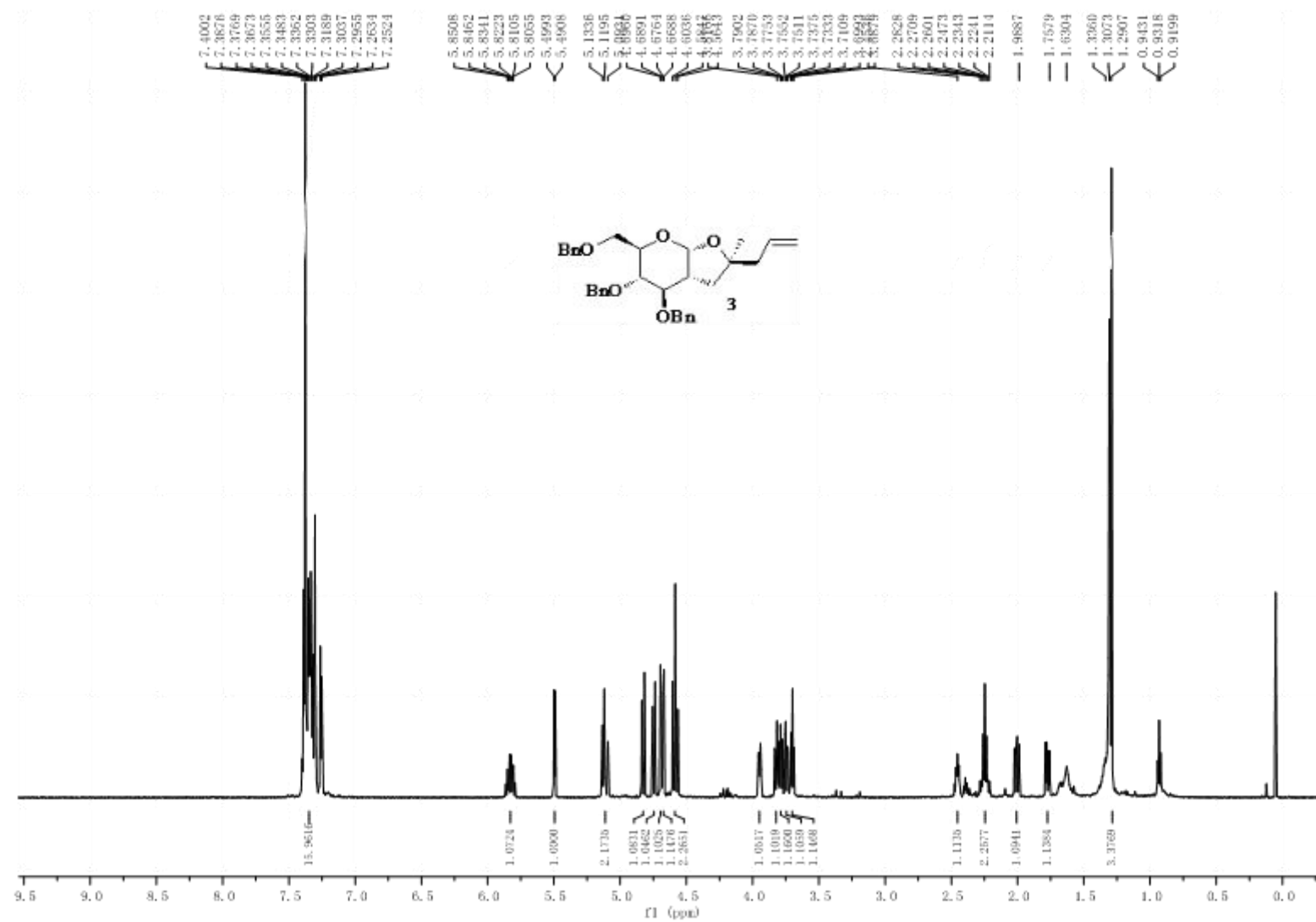


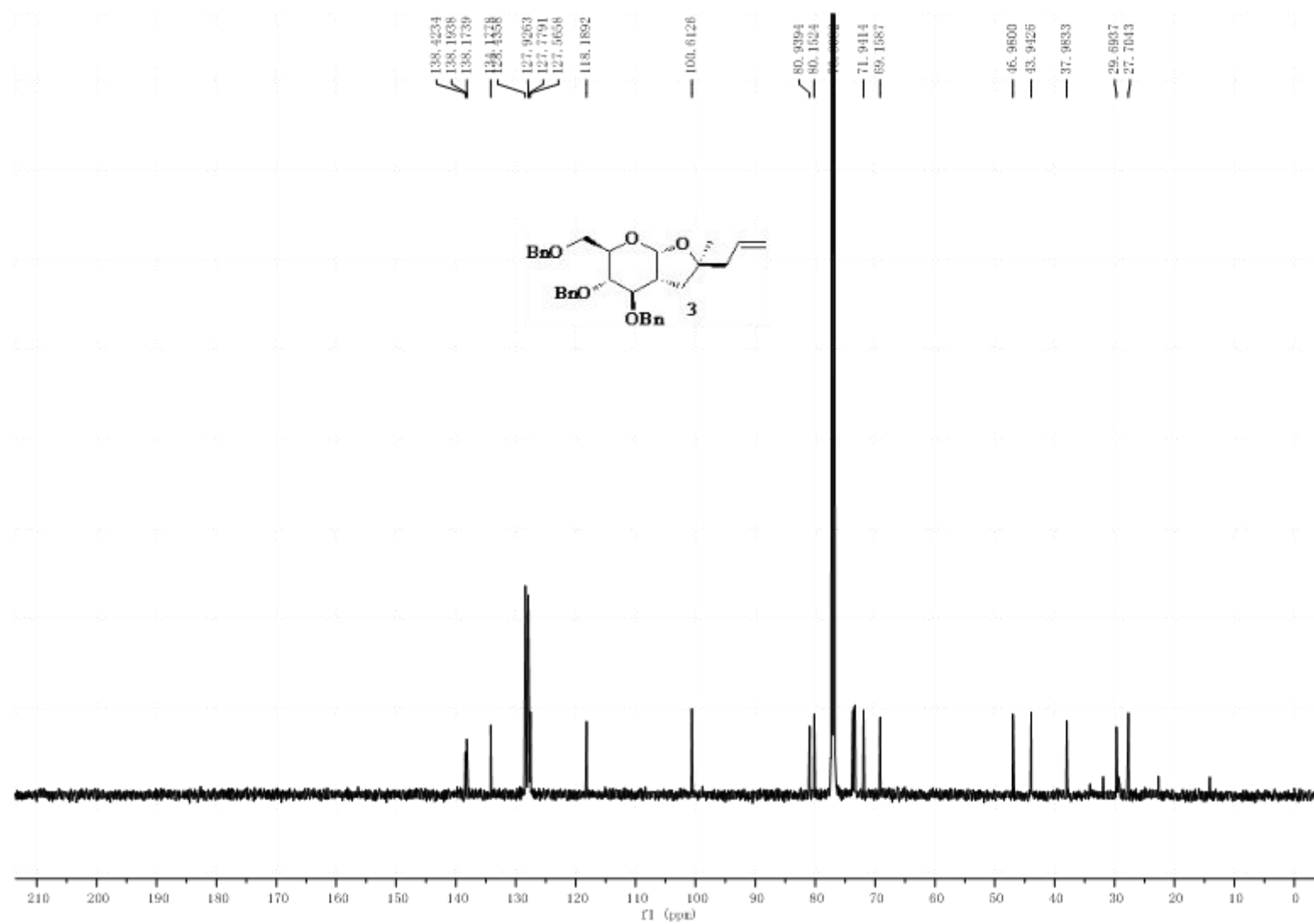


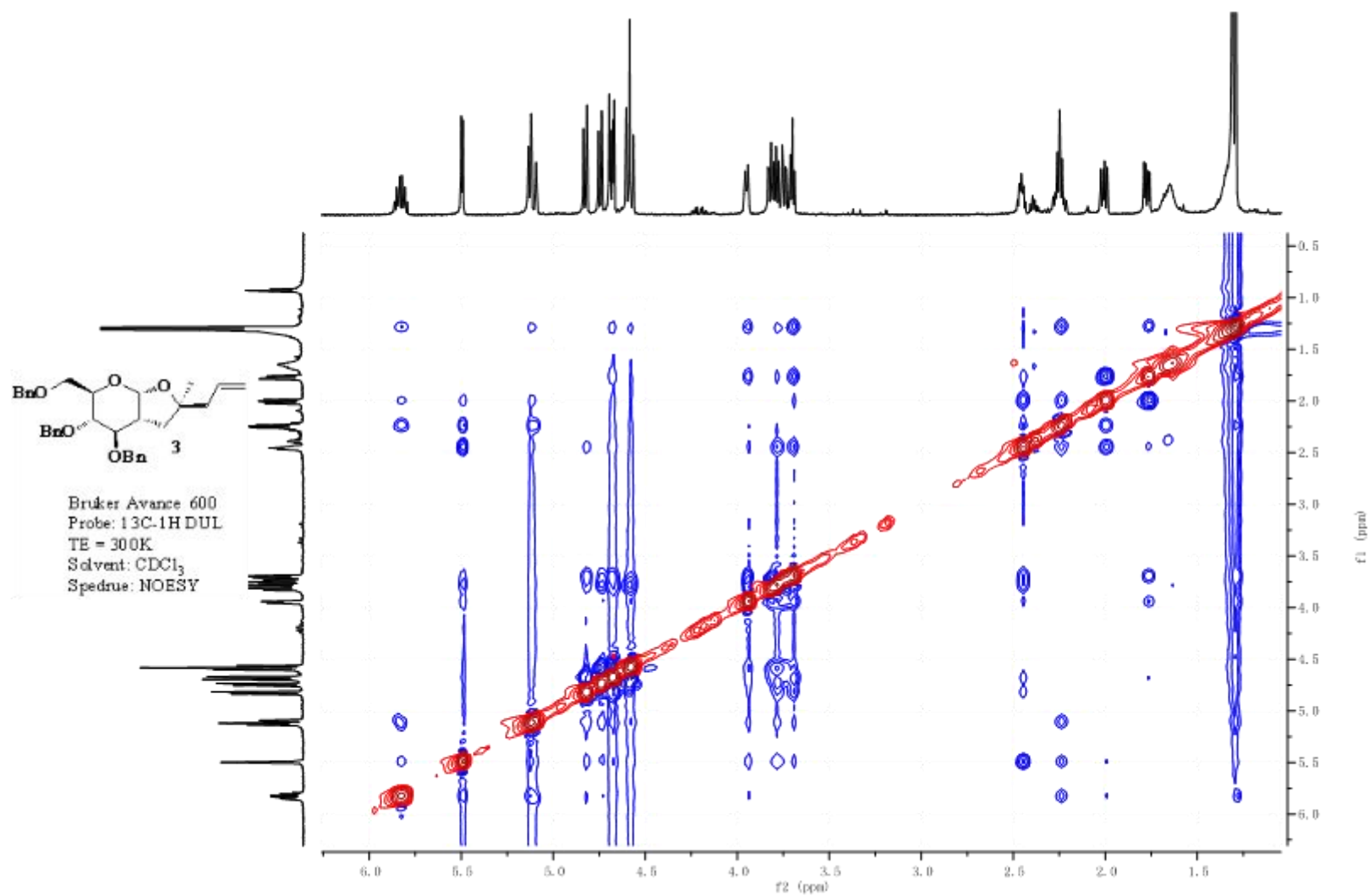


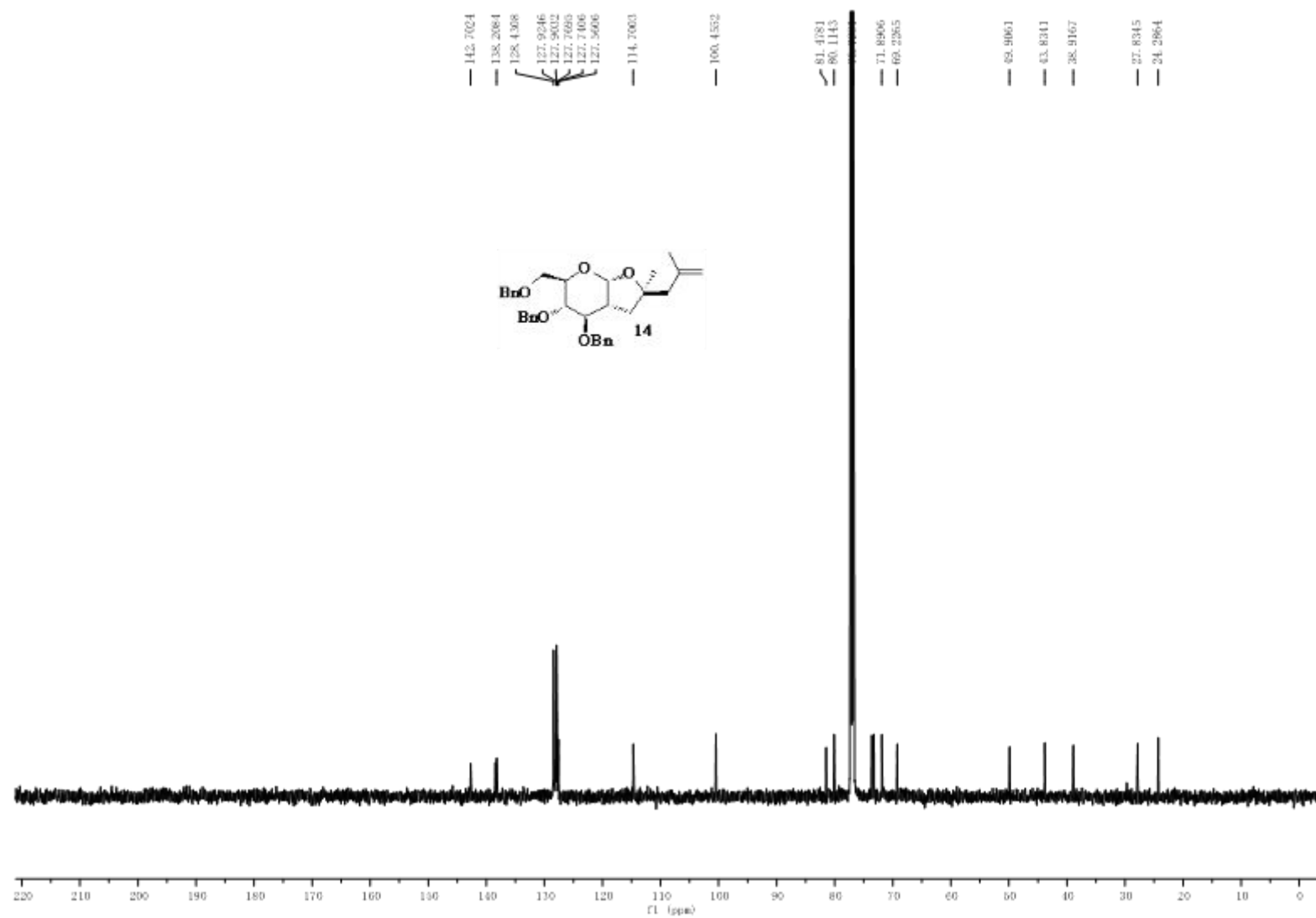


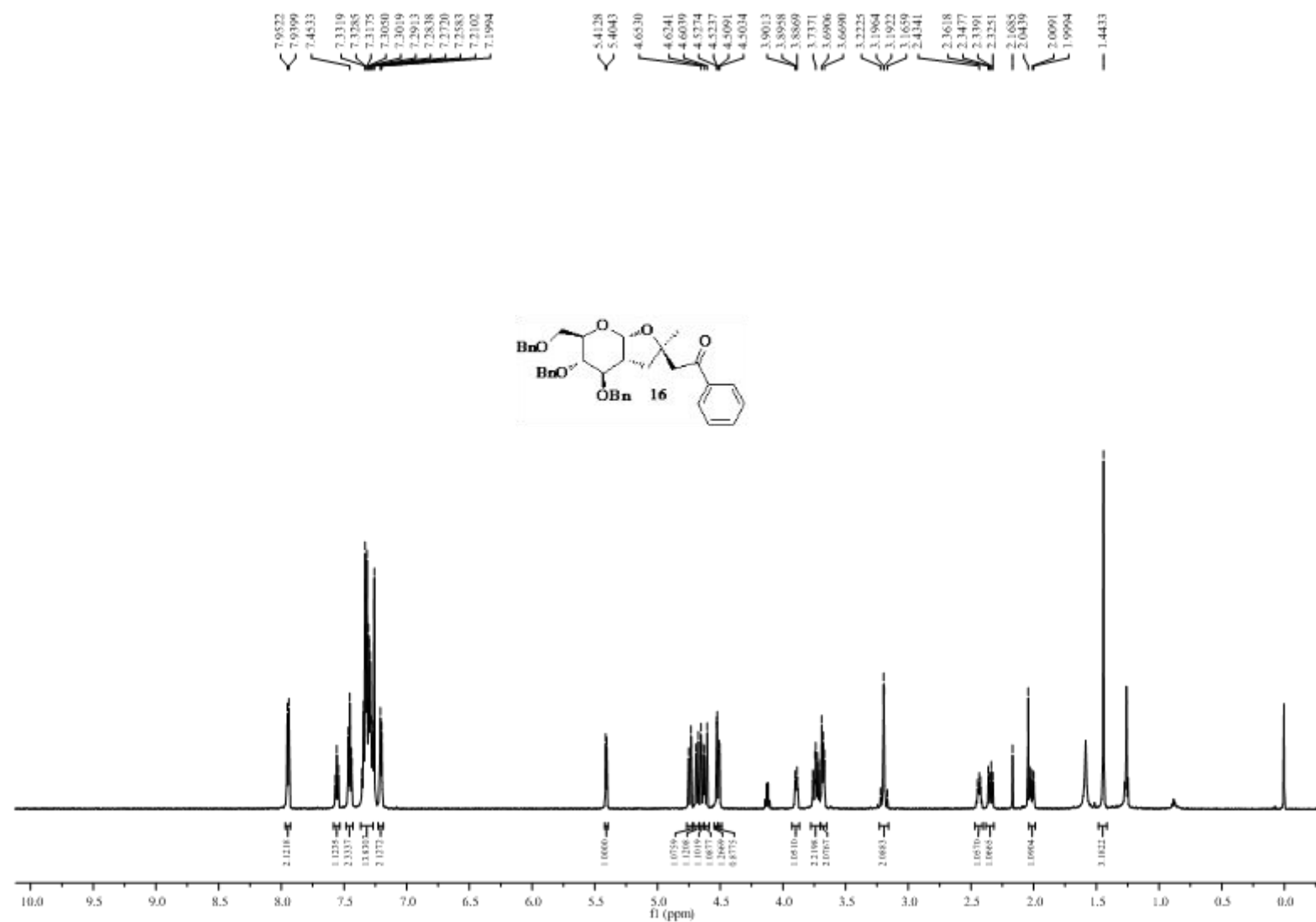


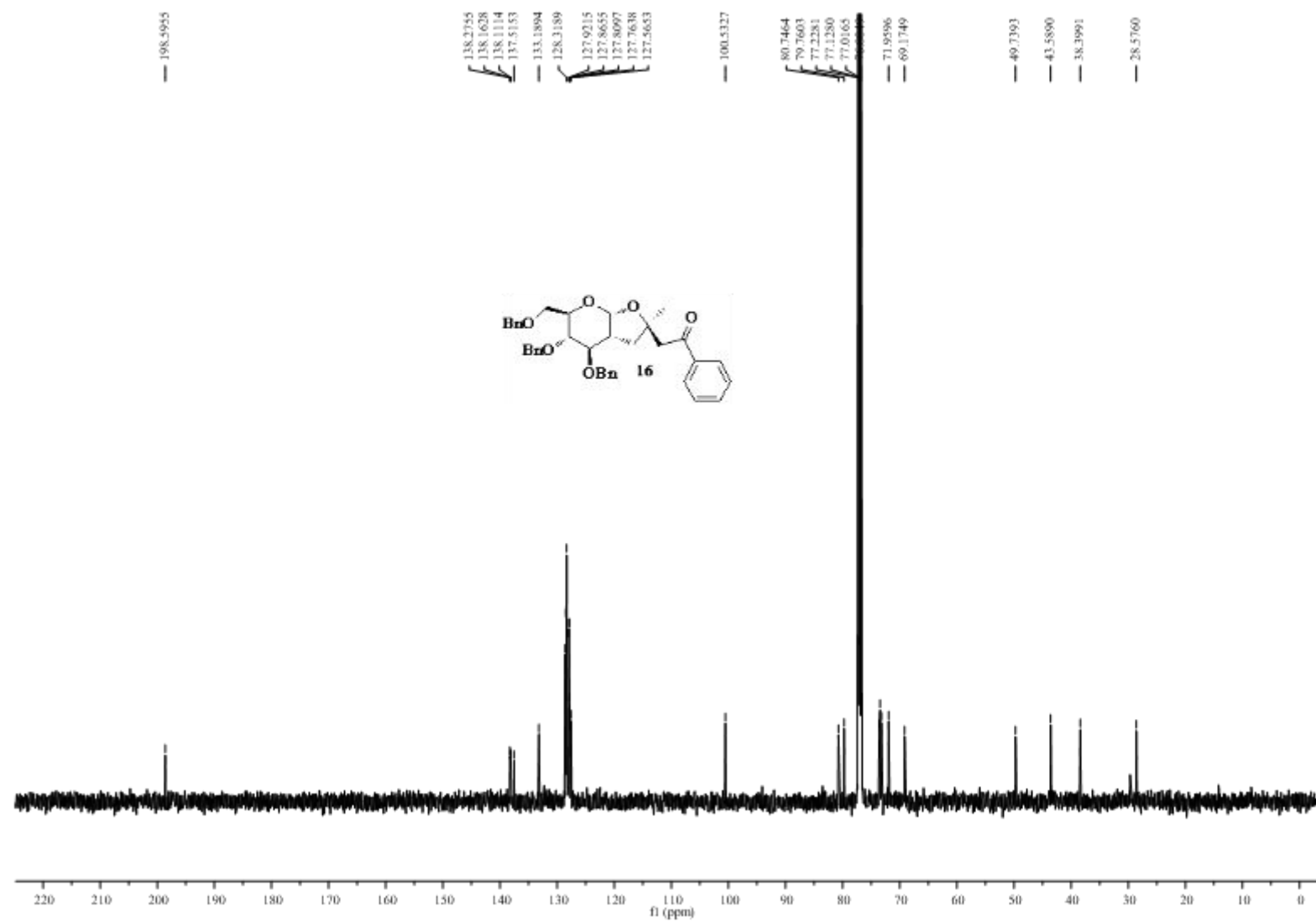


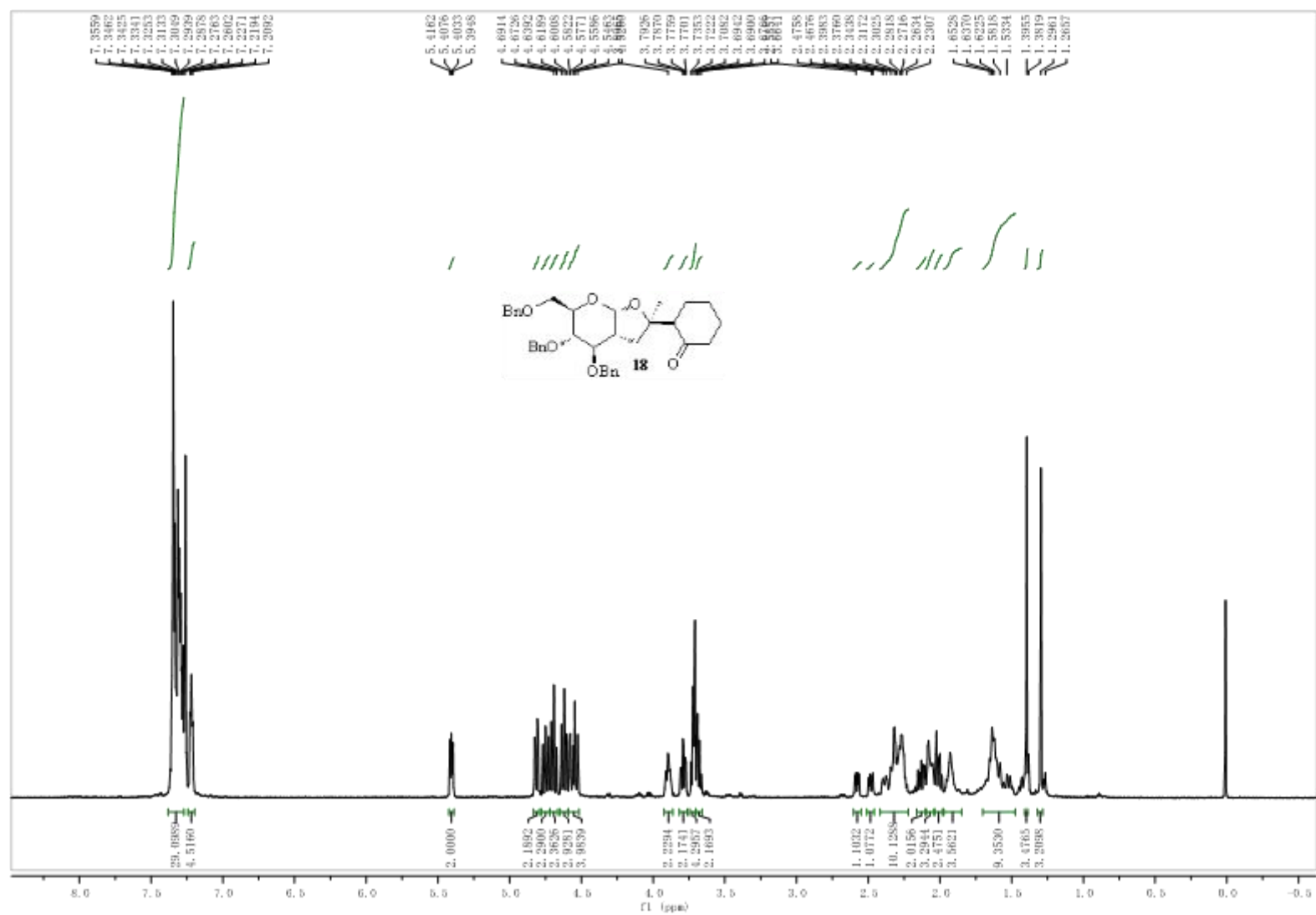


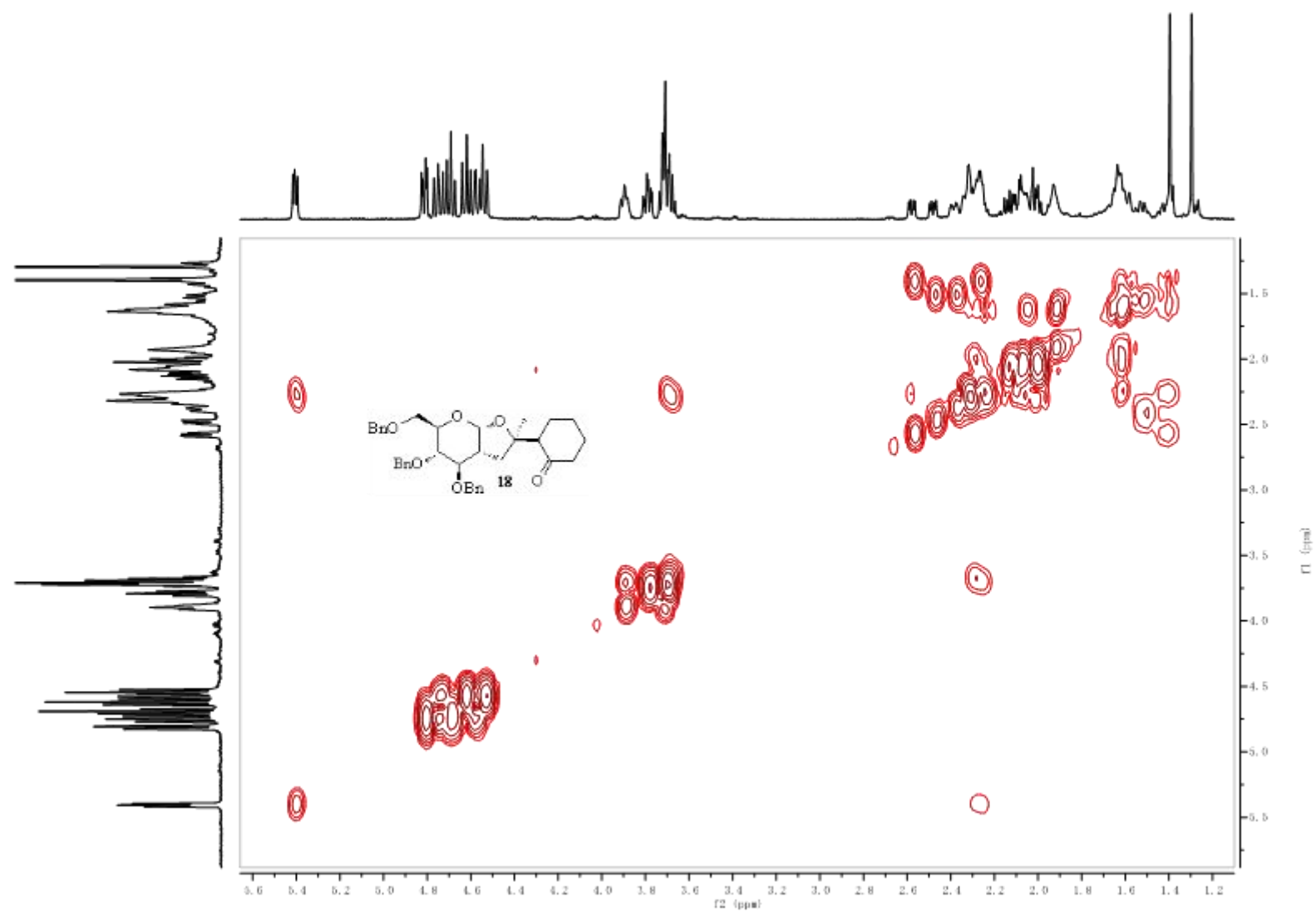


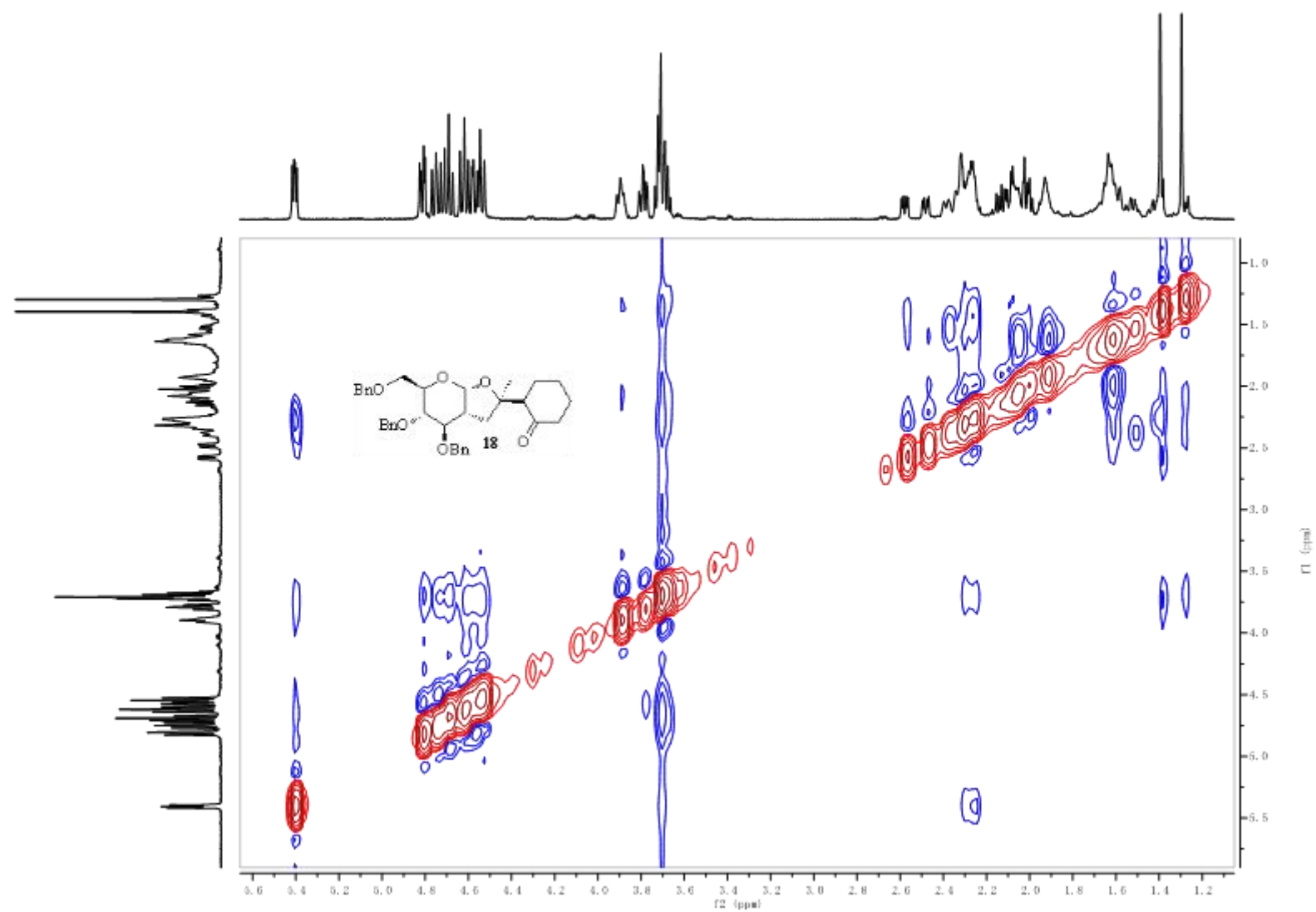


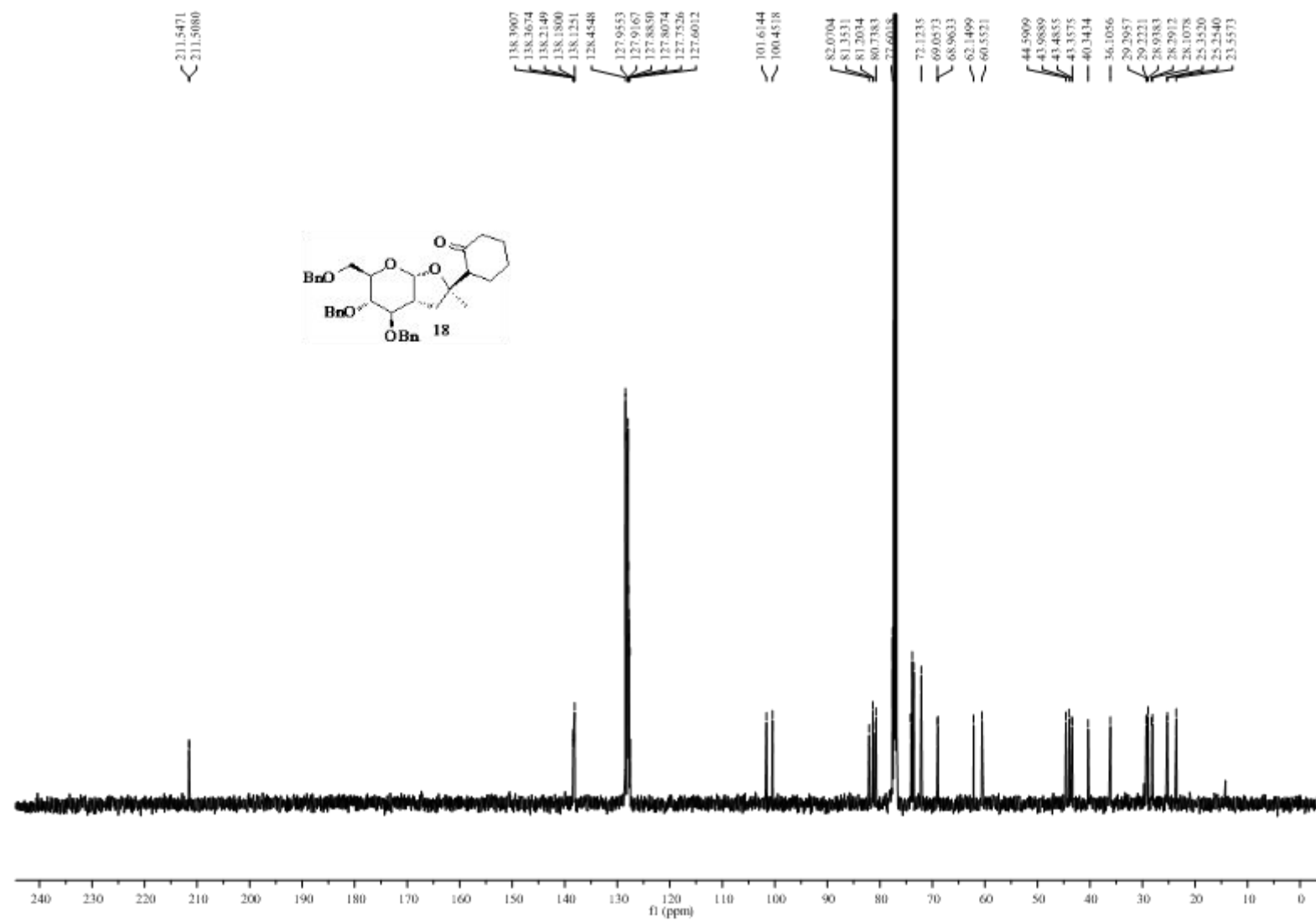


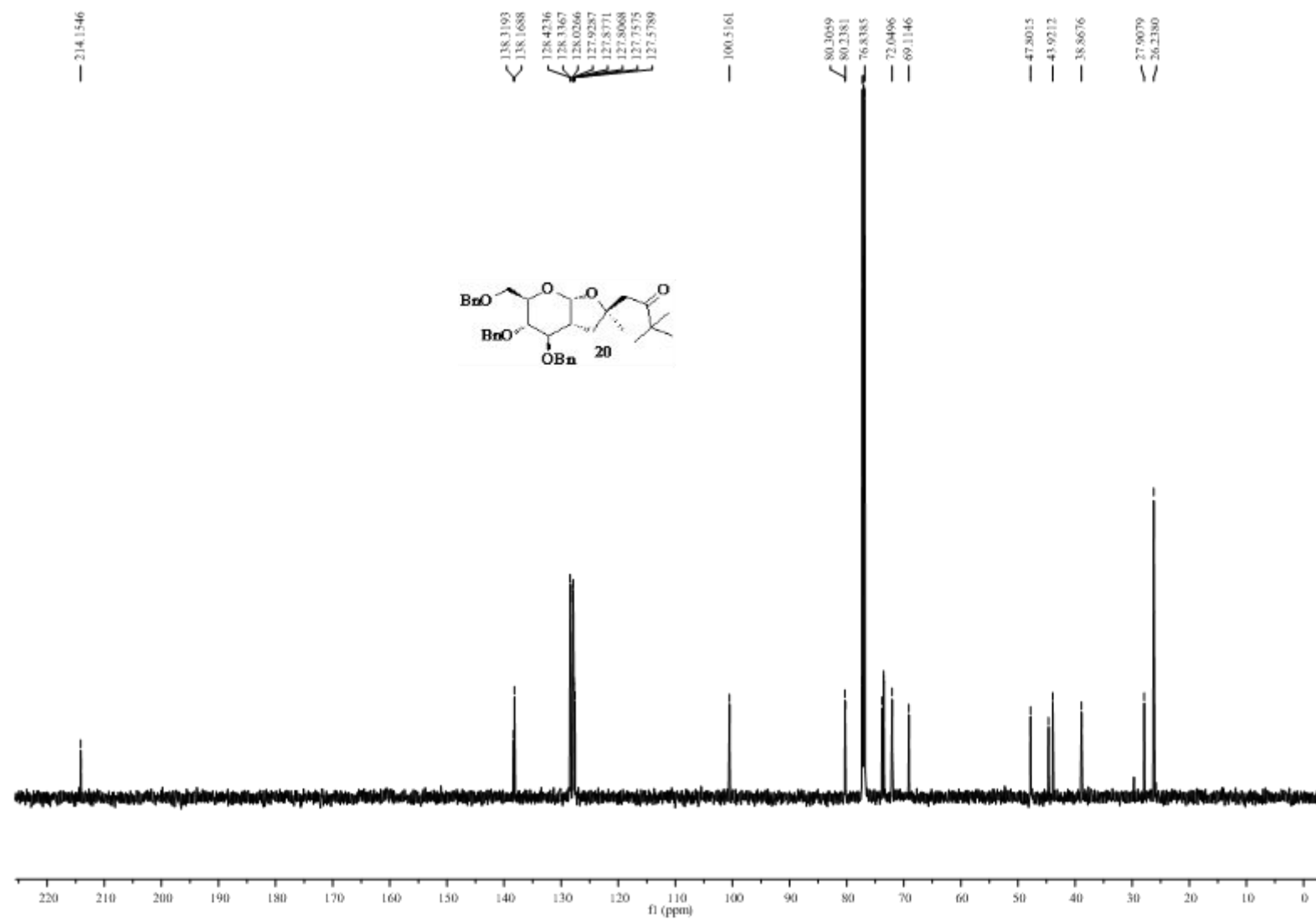


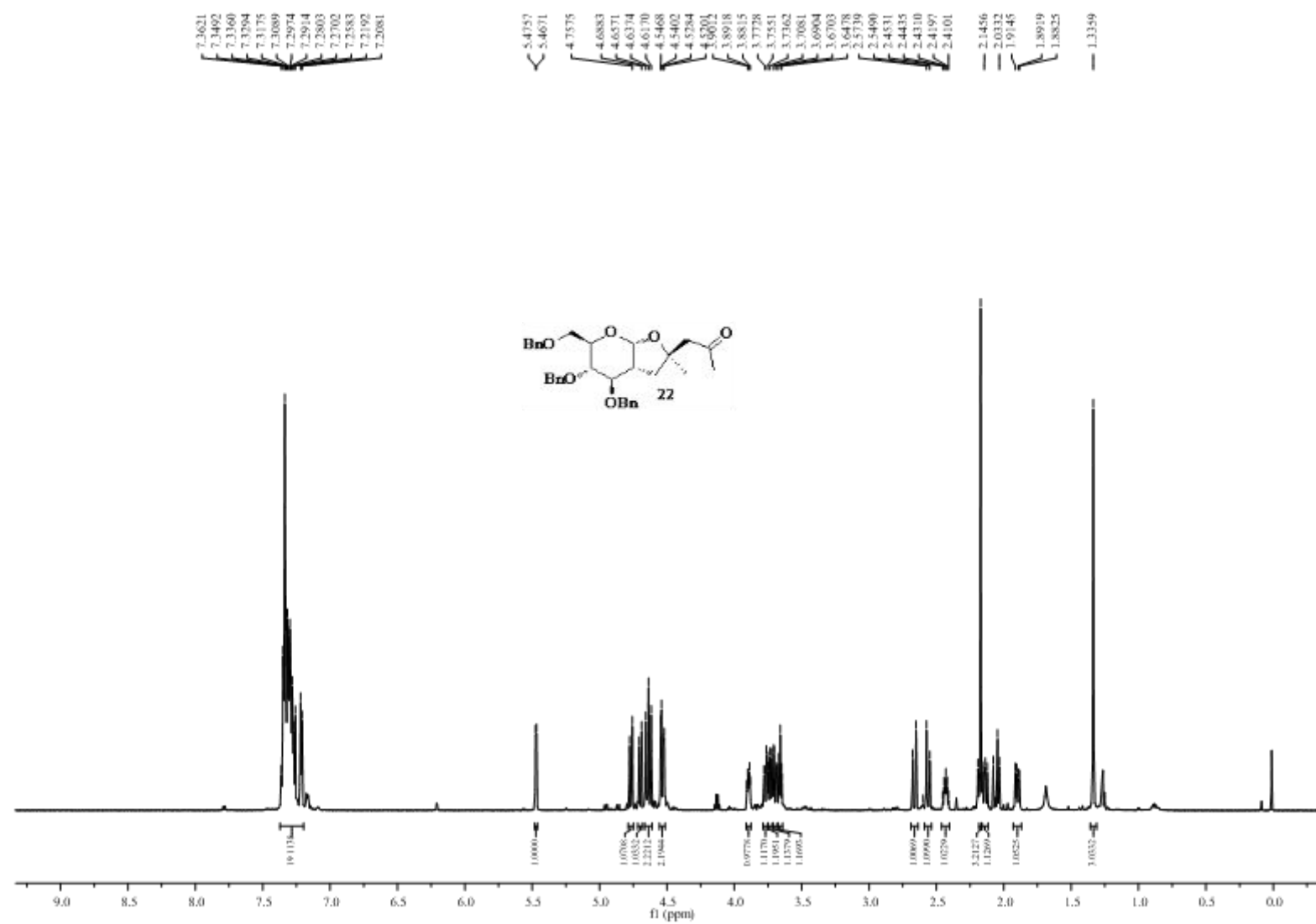


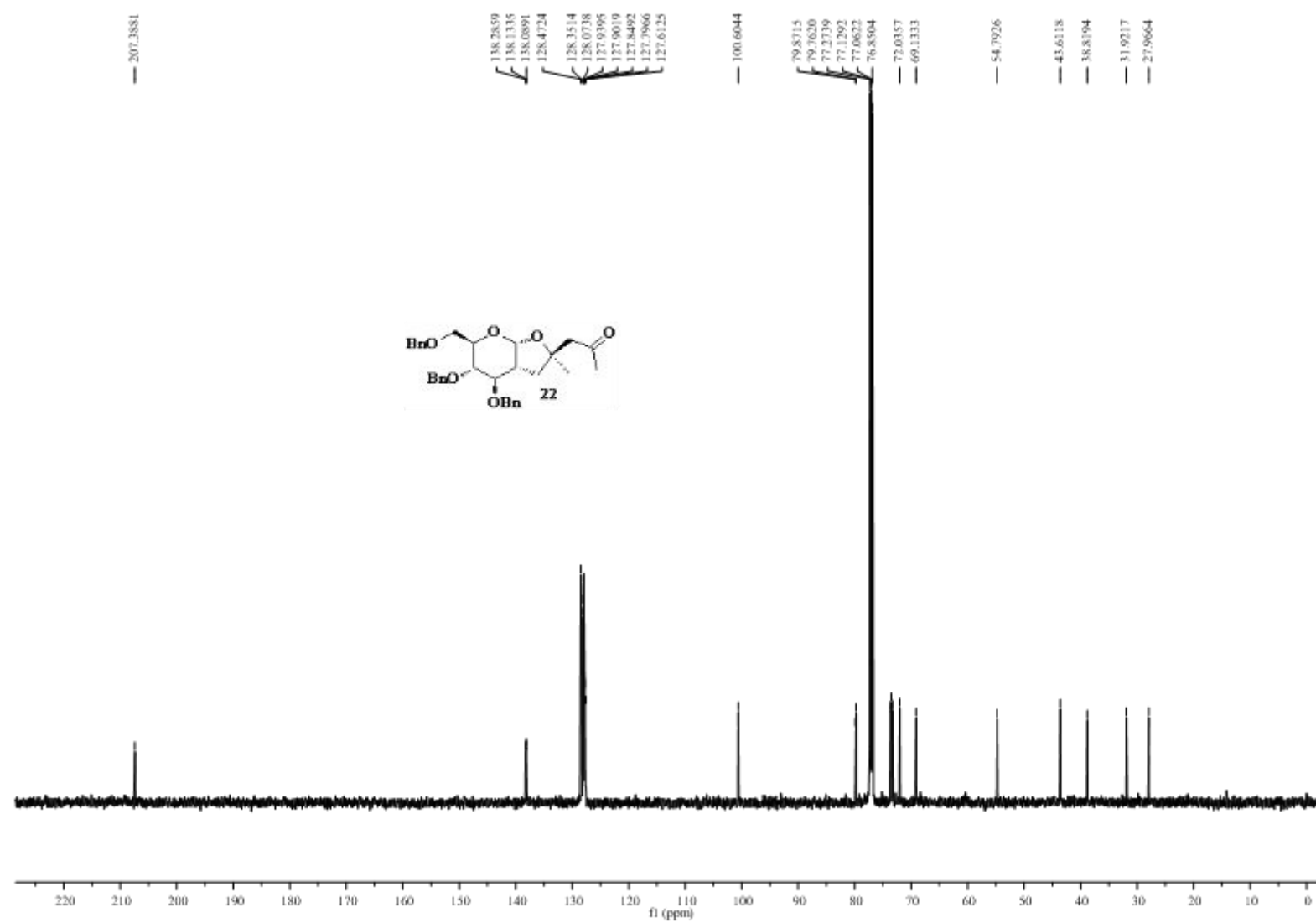


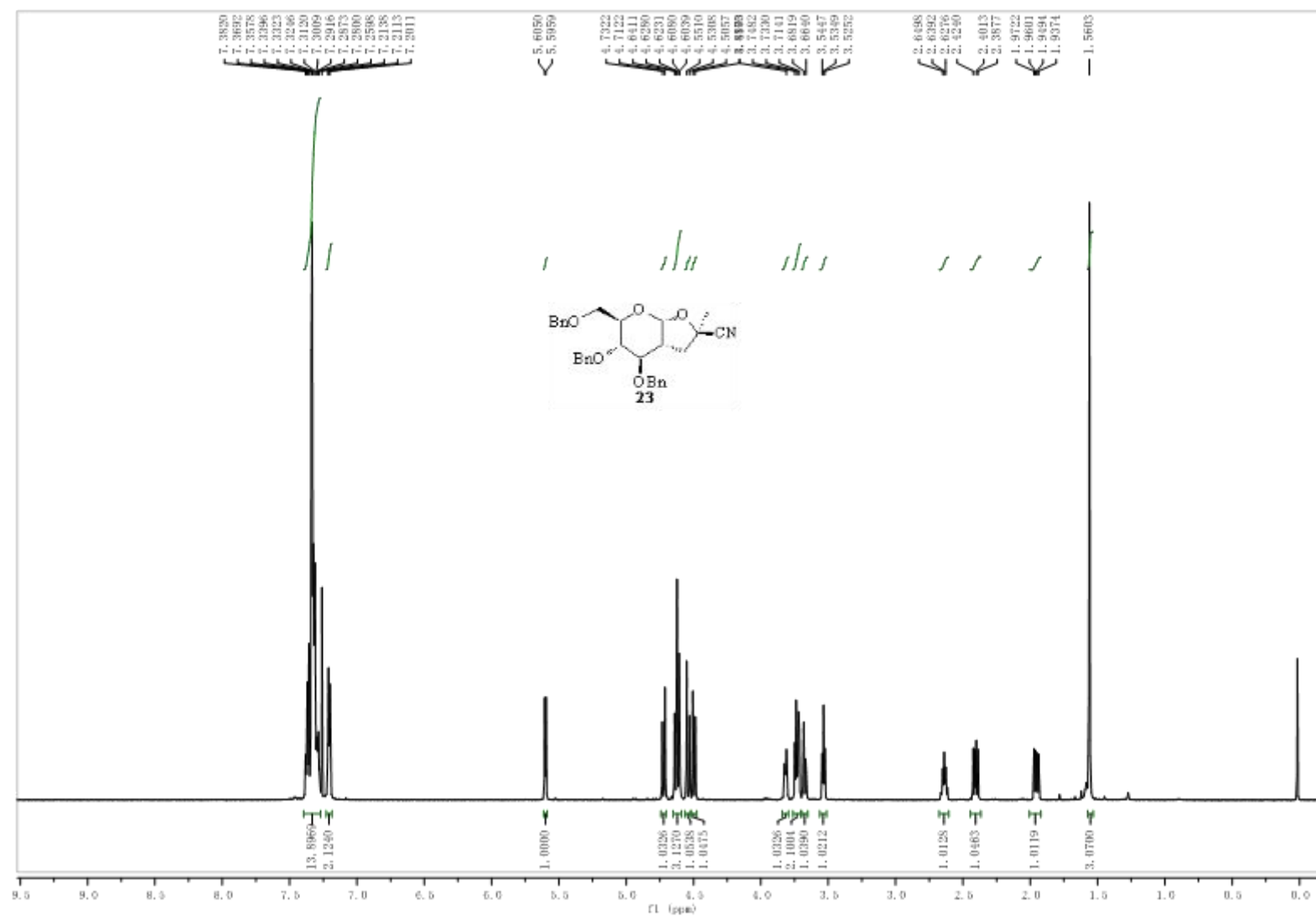


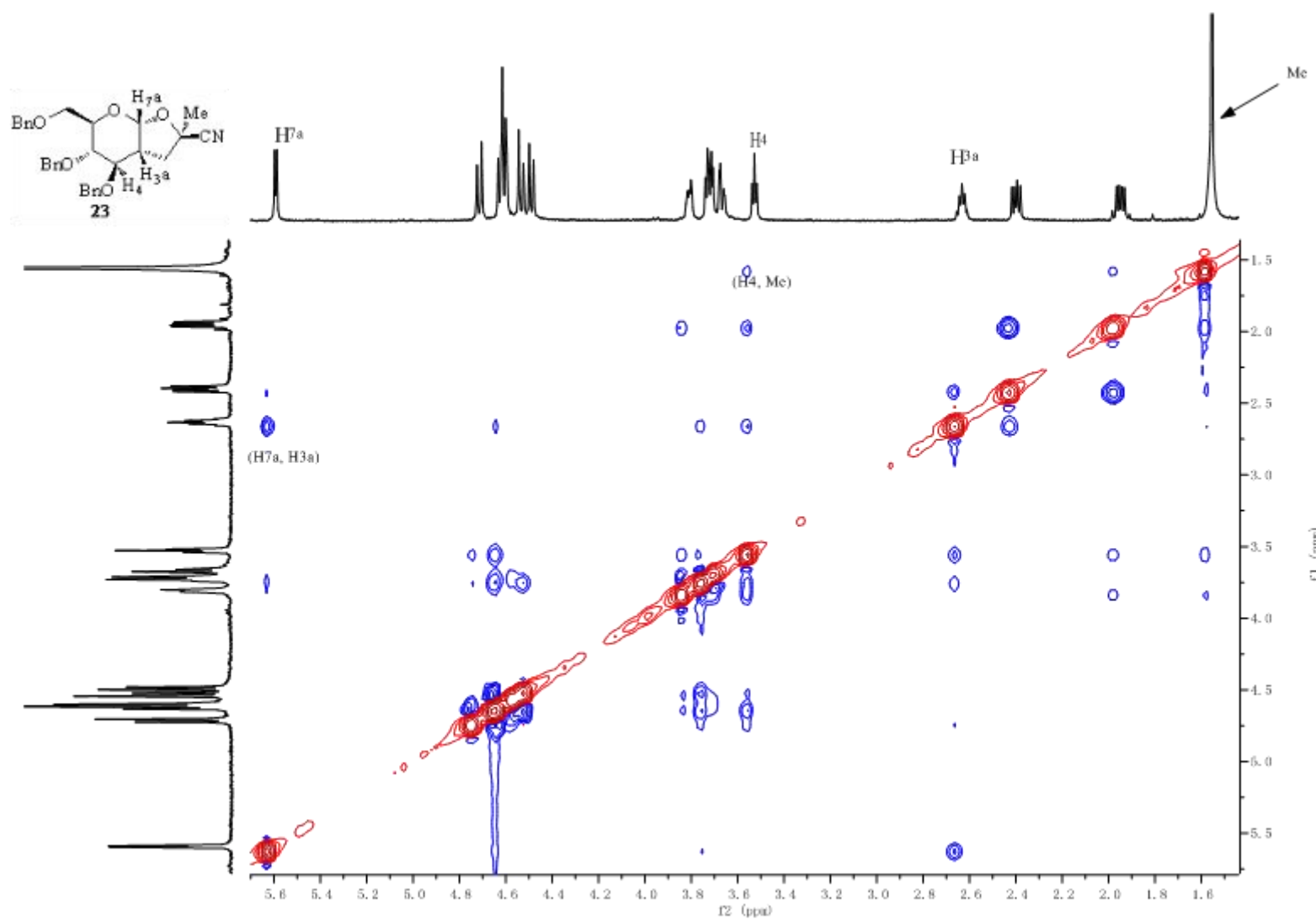


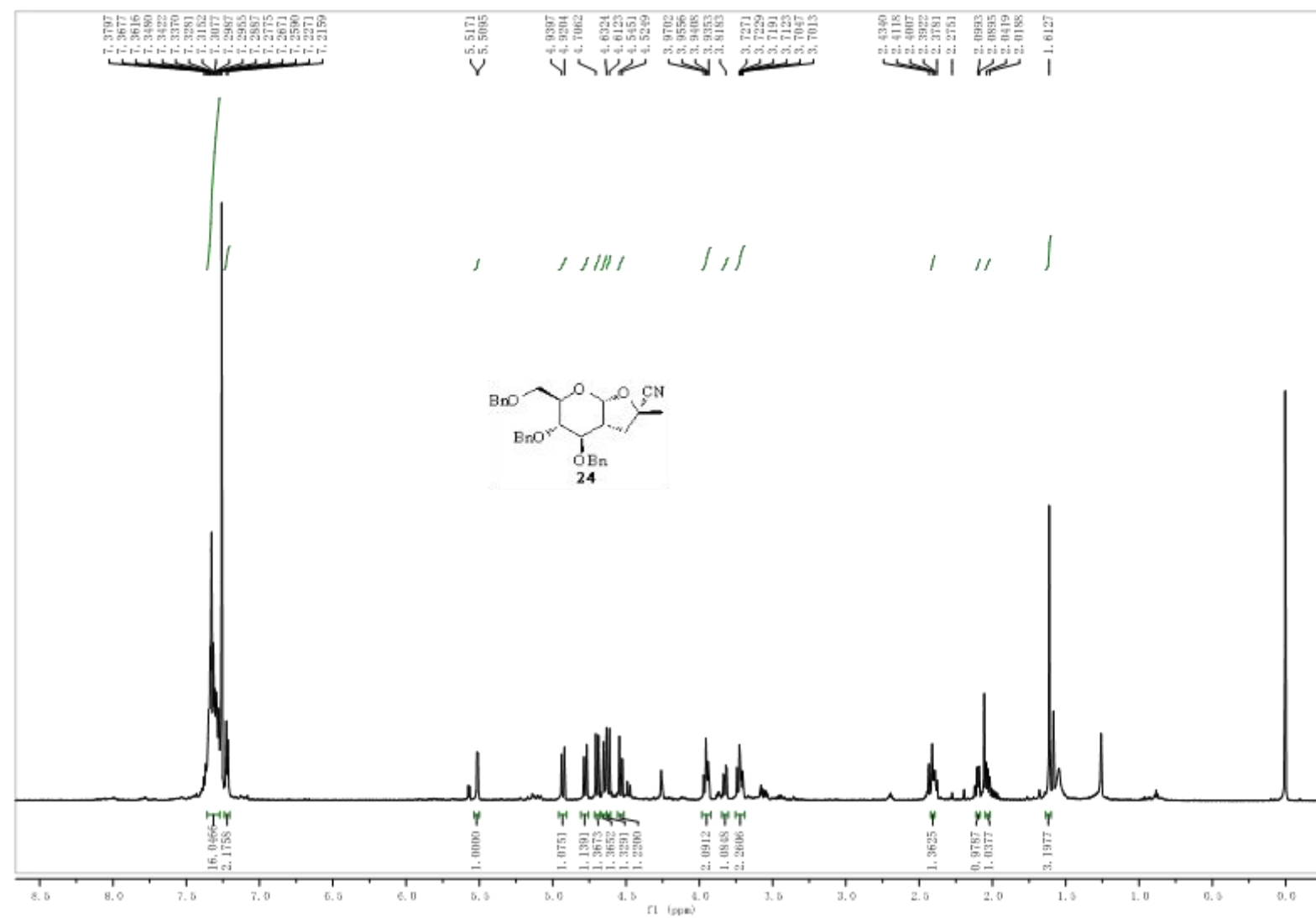


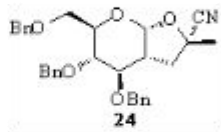


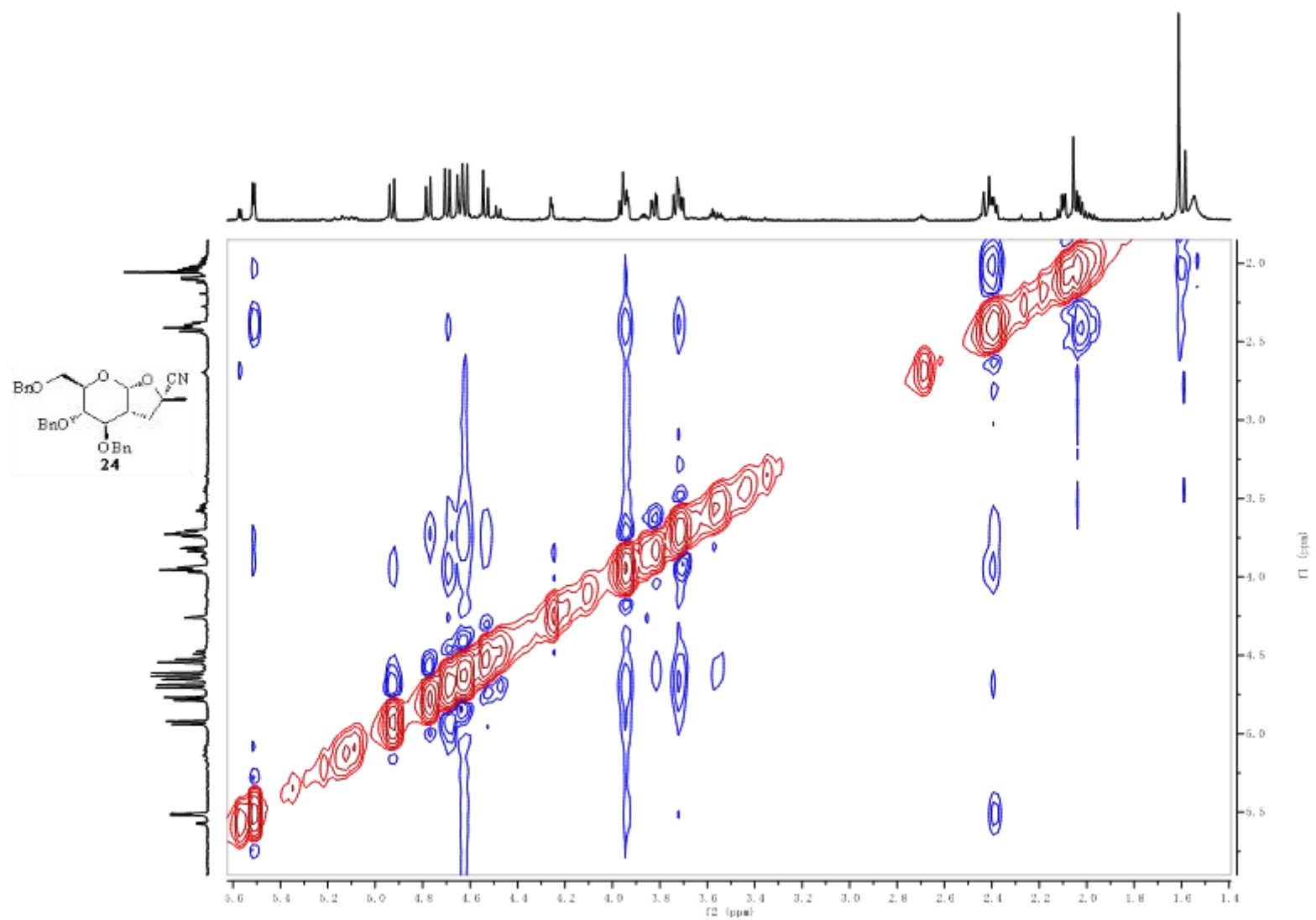


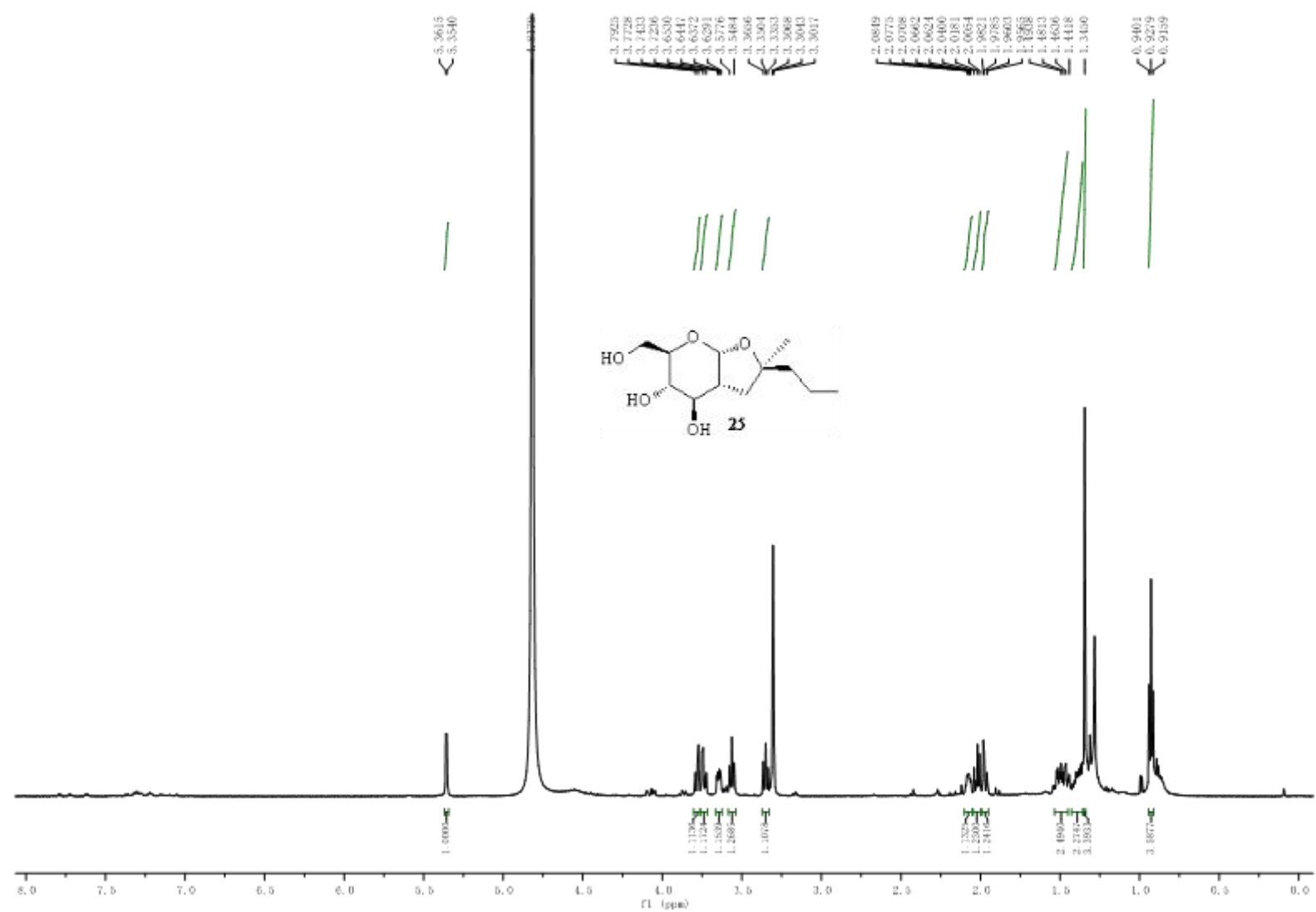


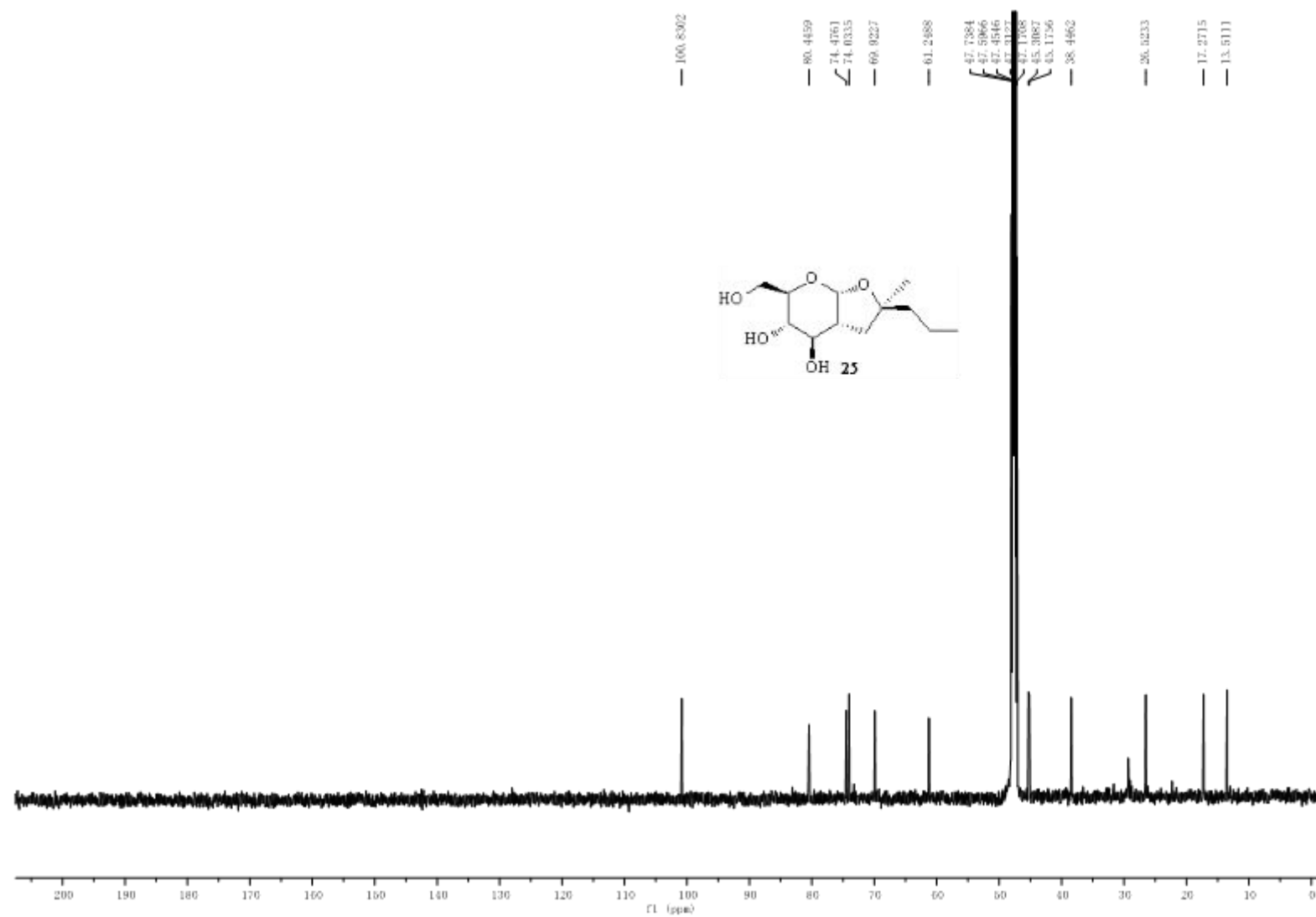


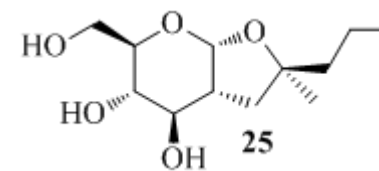
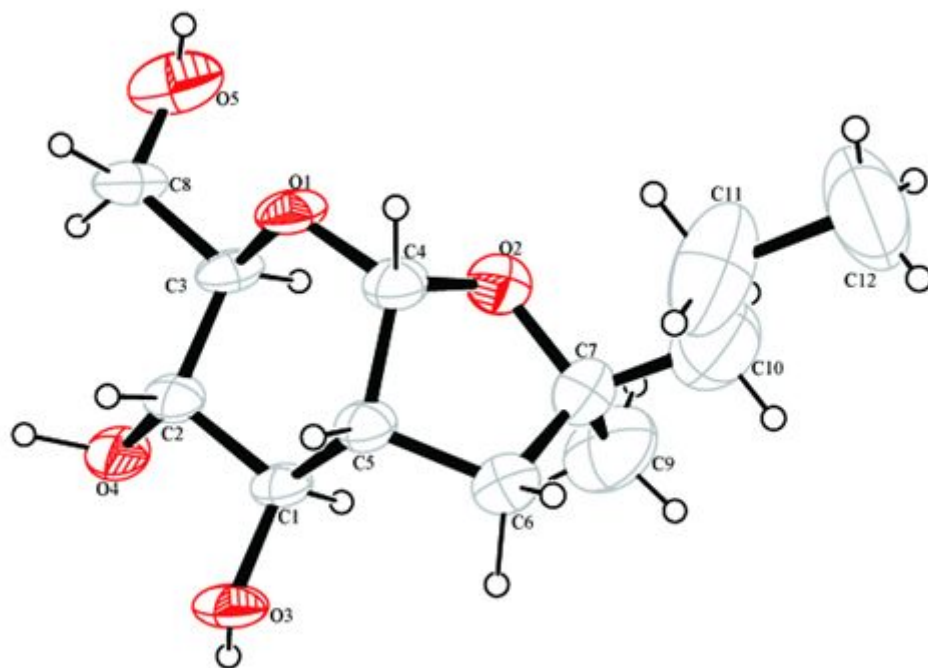












X-ray Crystal Structure of 25