

Supplementary Material

Stereoselective synthesis of 1-deoxynojirimycin, D-glucono- δ -lactam and D-altrono- δ -lactam from a common chiral intermediate derived from D-mannitol

Mettu Ravinder,^{§*} Thatikonda Narendar Reddy, Budde Mahendar, and Vaidya Jayathirtha Rao *

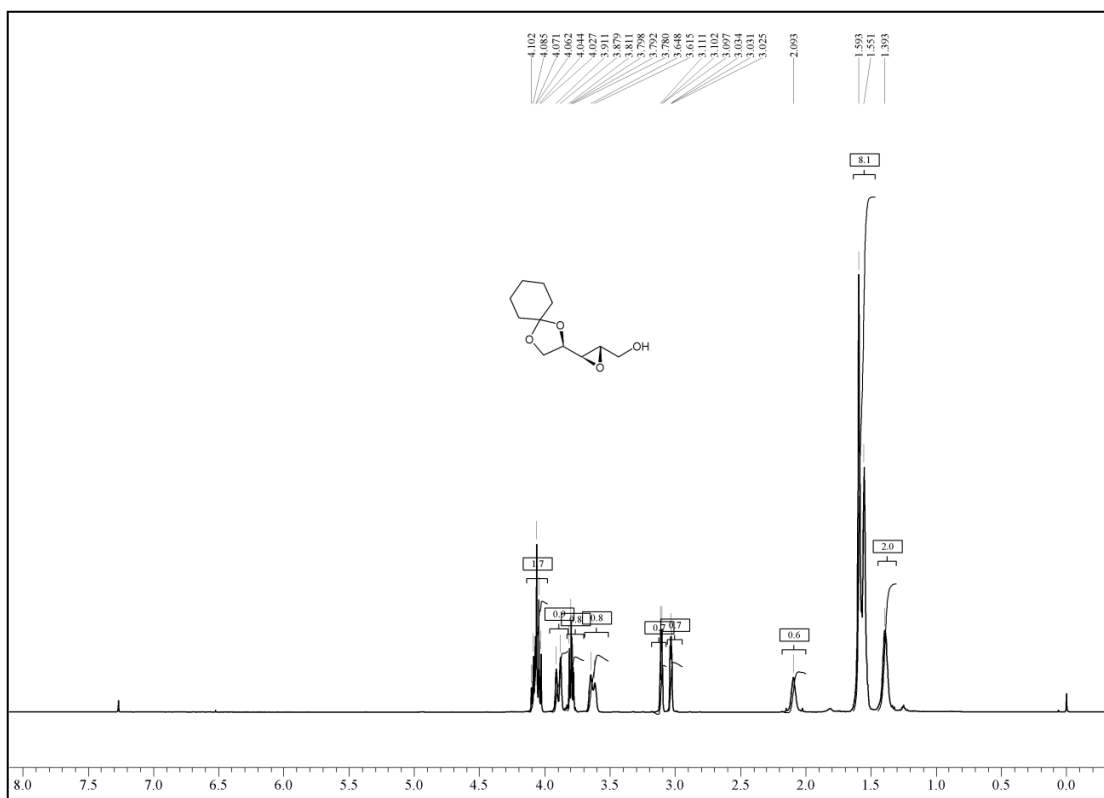
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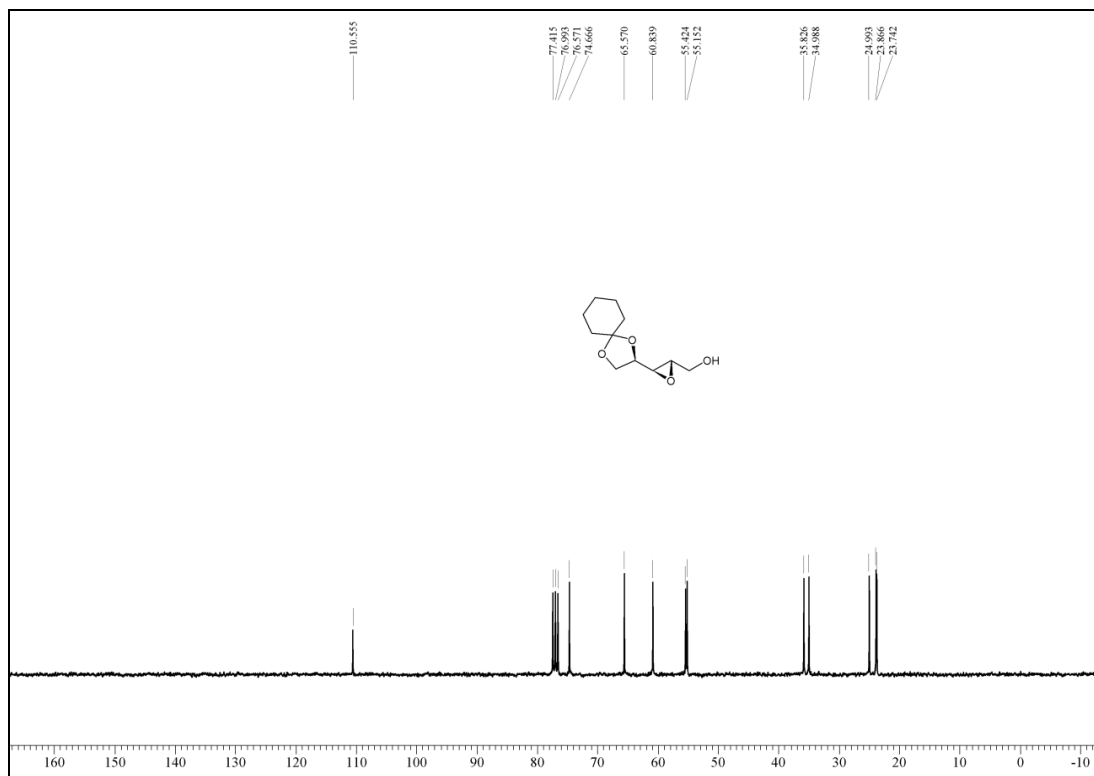
E-mail: ravi_iictindia@yahoo.co.in; jrao@iict.res.in

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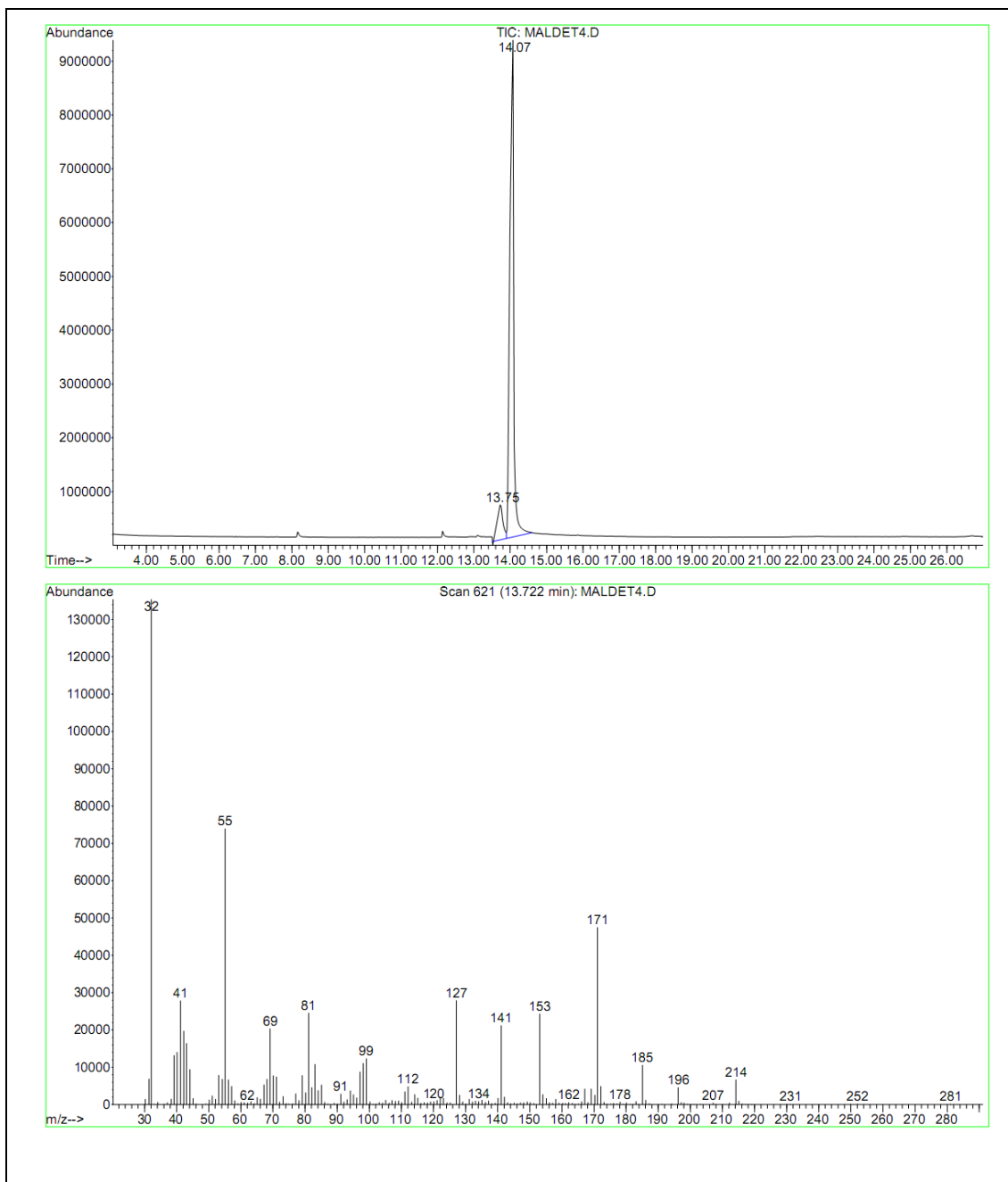
Selected compounds ¹H NMR, ¹³C NMR and HRMS data were given below.

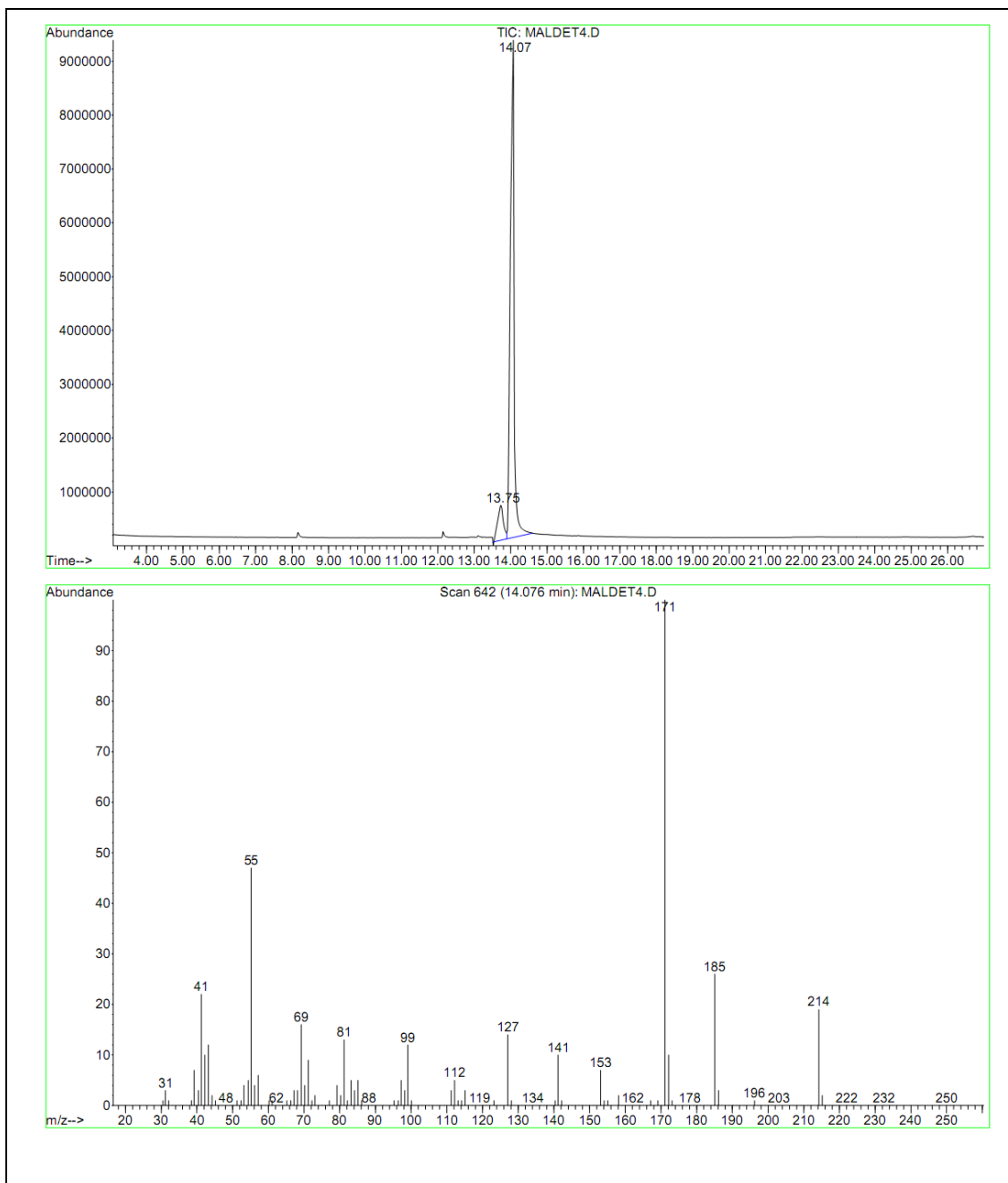


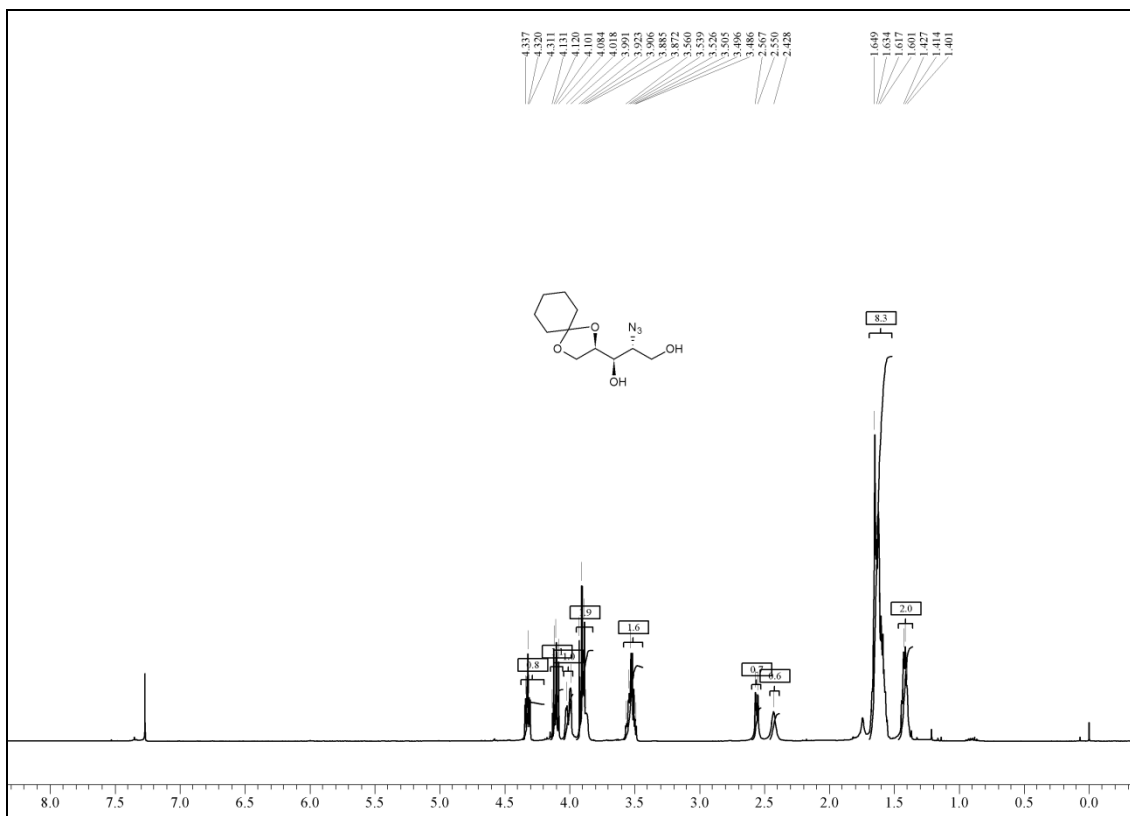
¹H NMR spectrum of compound 9



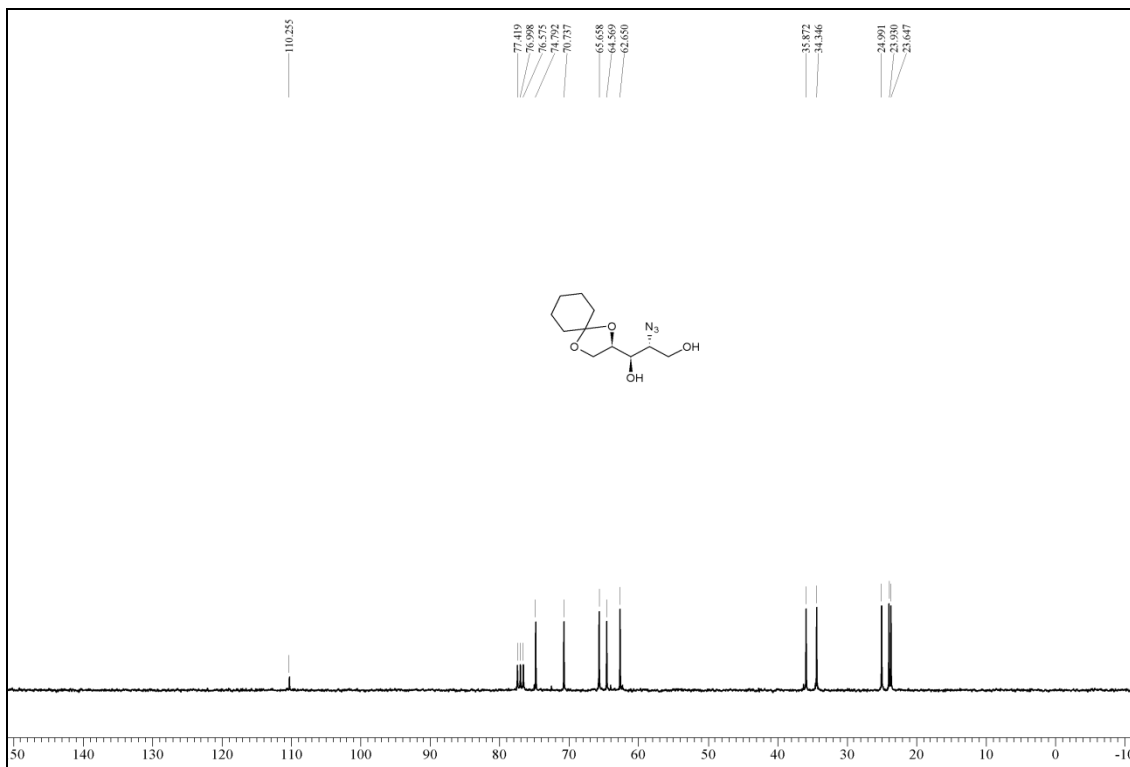
¹³C NMR spectrum of compound 9

**GC-MS spectrum of compound 9**

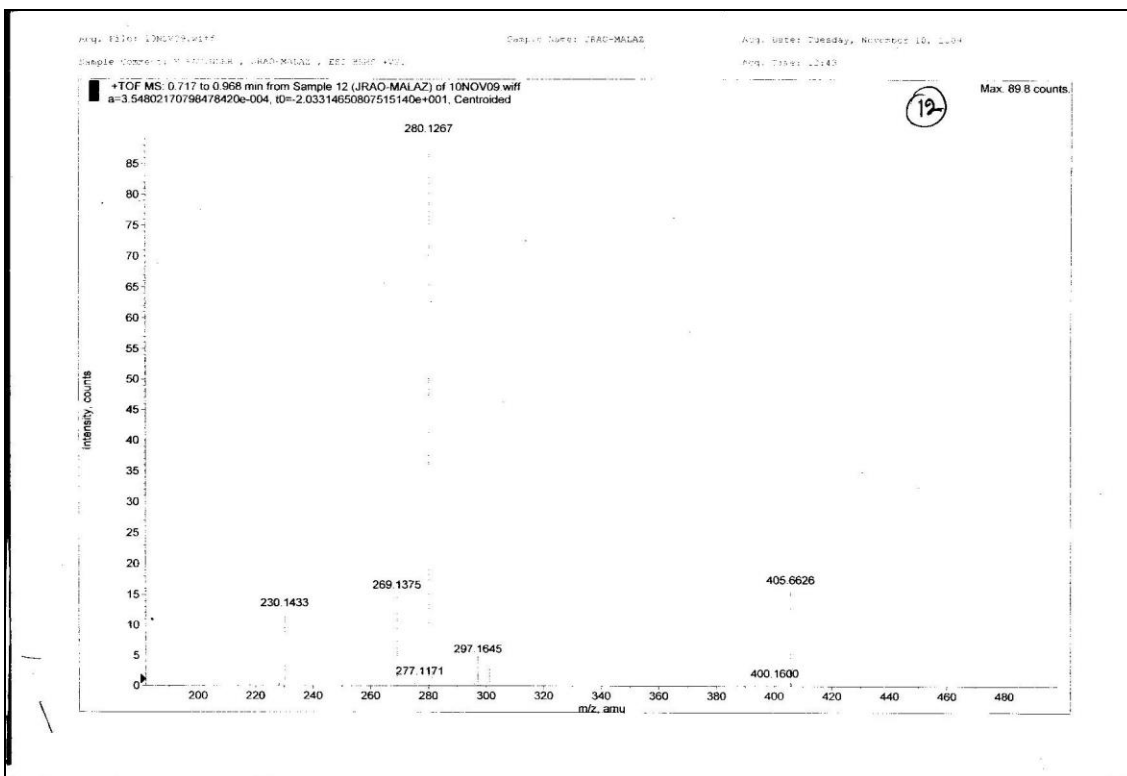
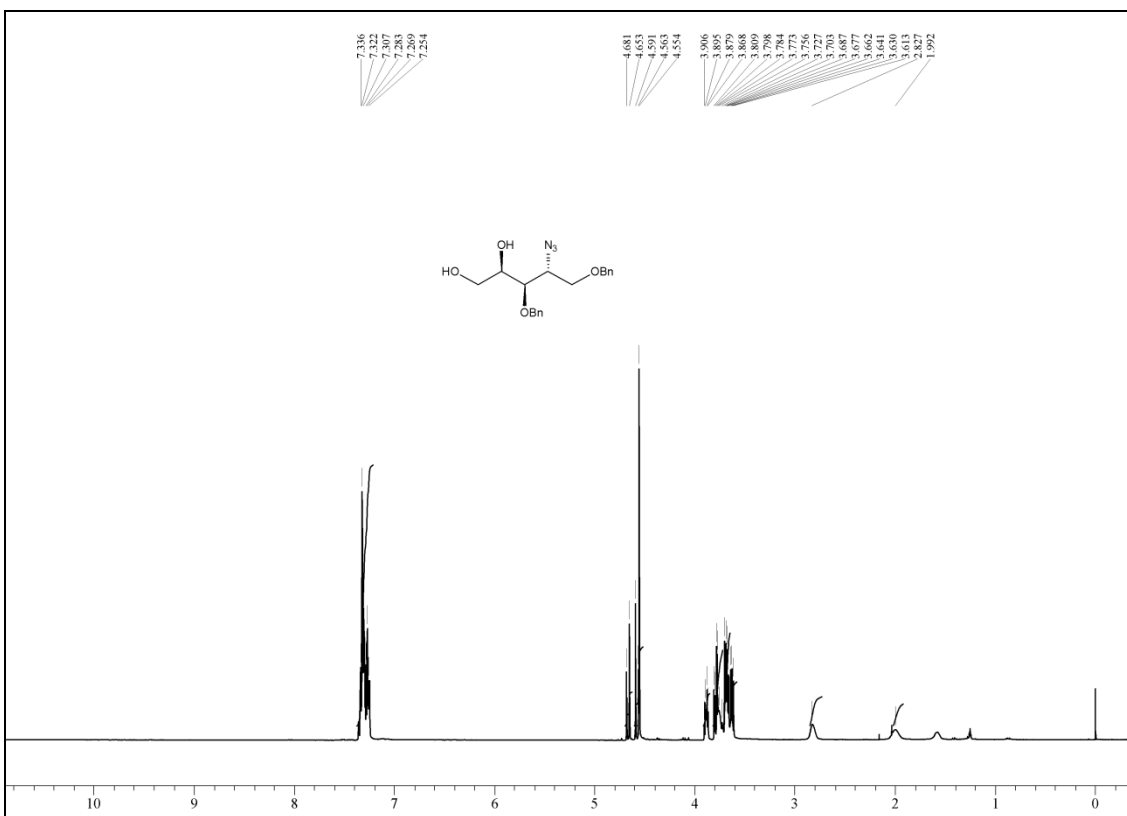
**GC-MS spectrum of compound 9**

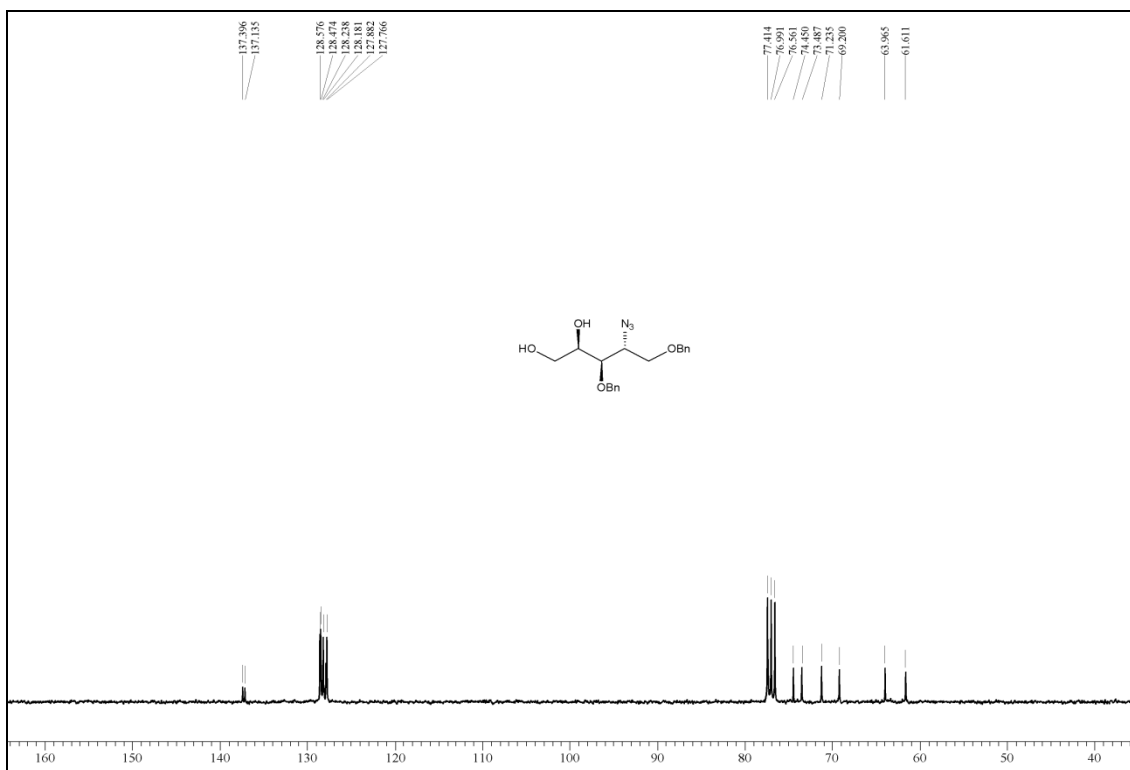


¹H NMR spectrum of compound 12

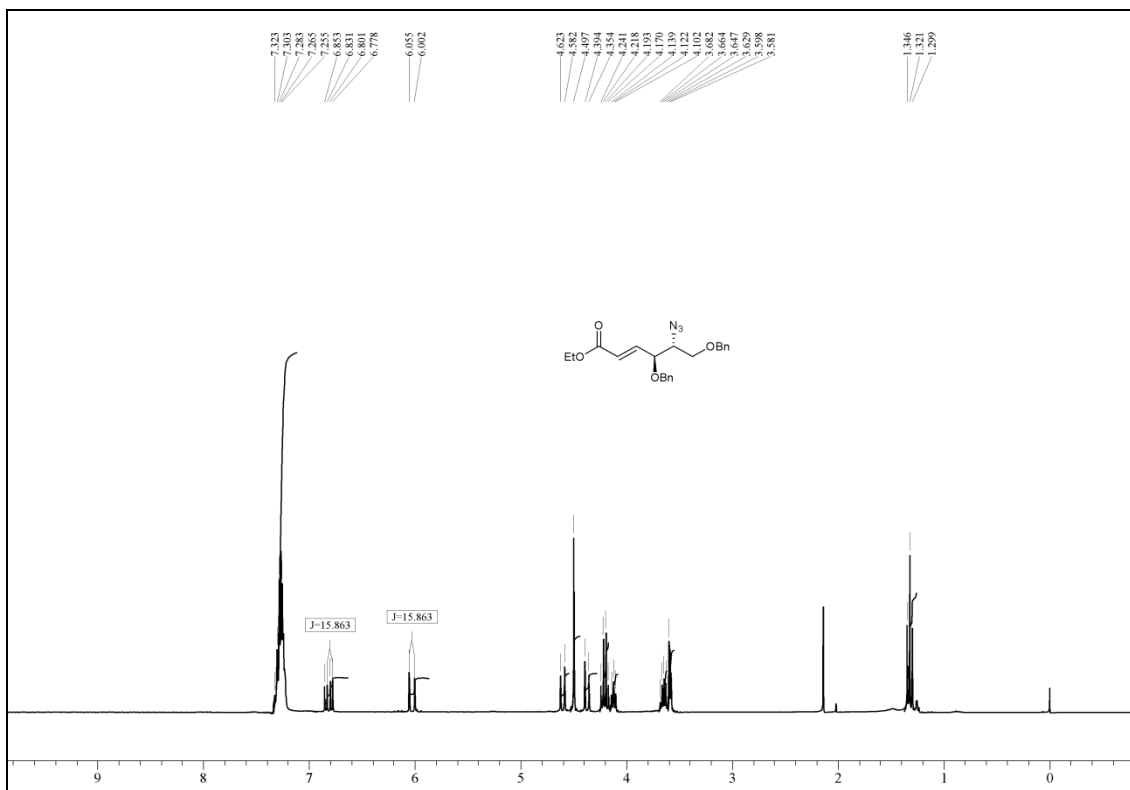


¹³C NMR spectrum of compound 12

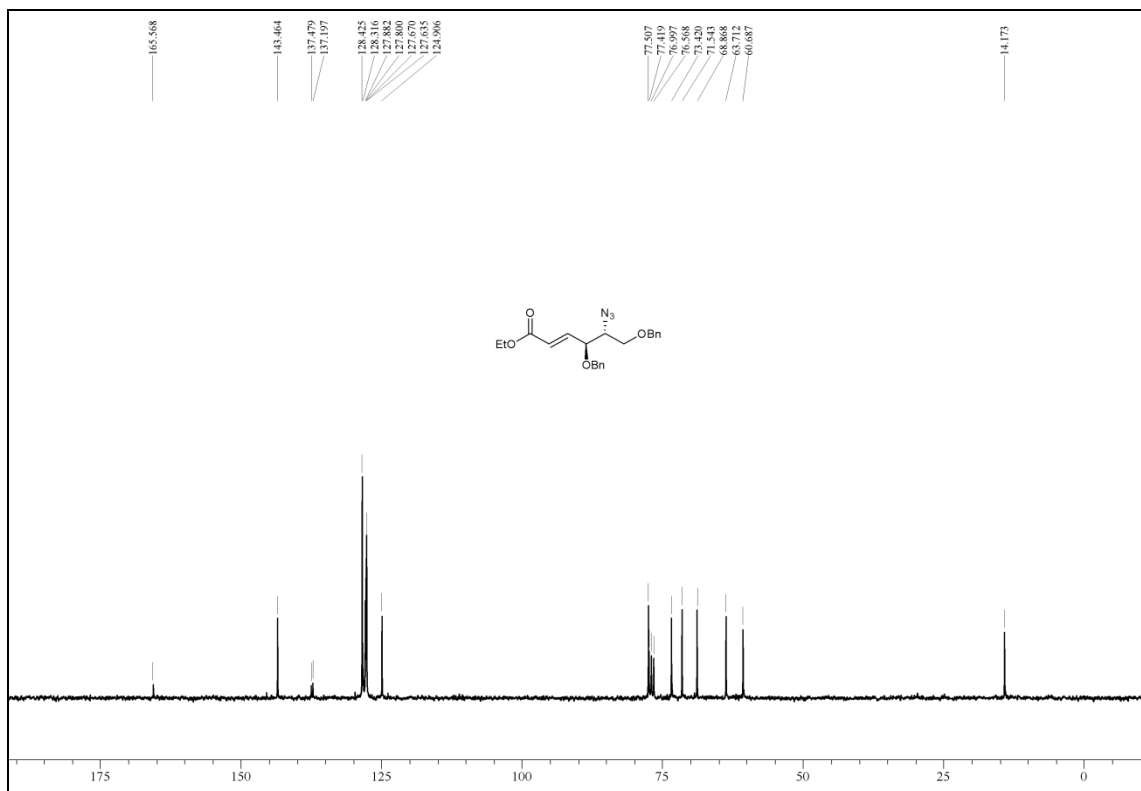
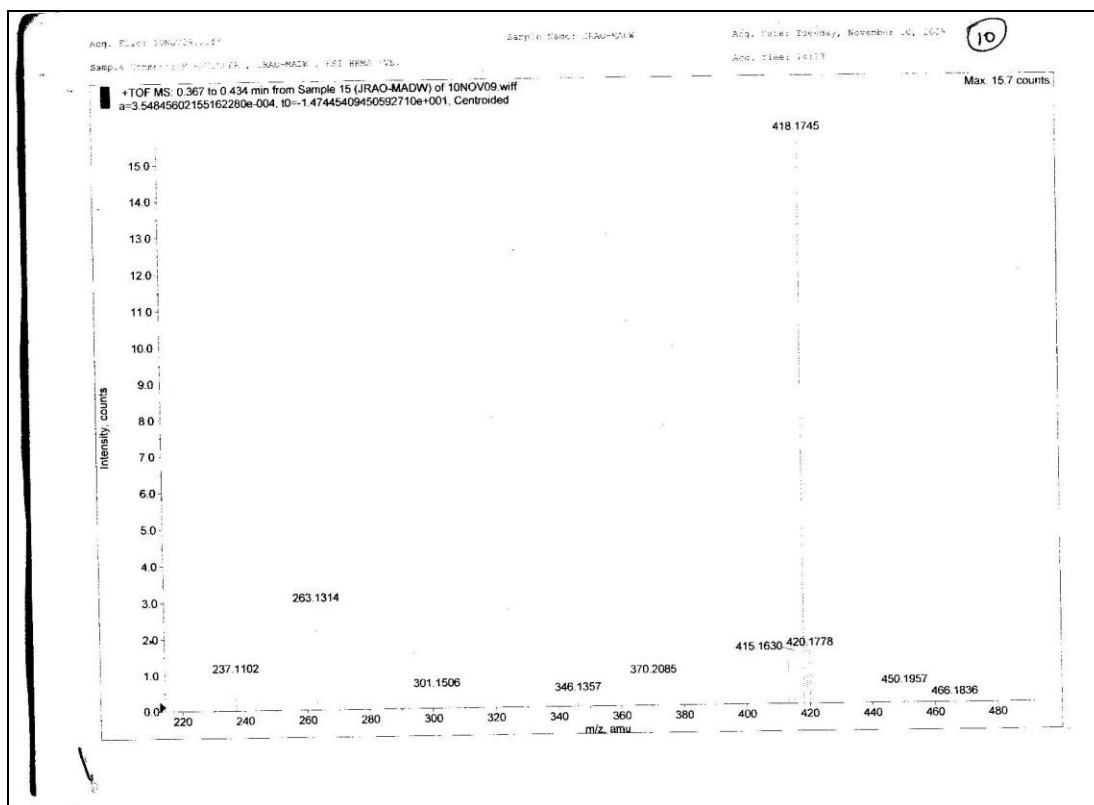
**HRMS spectrum of compound 12****¹H NMR spectrum of compound 14**

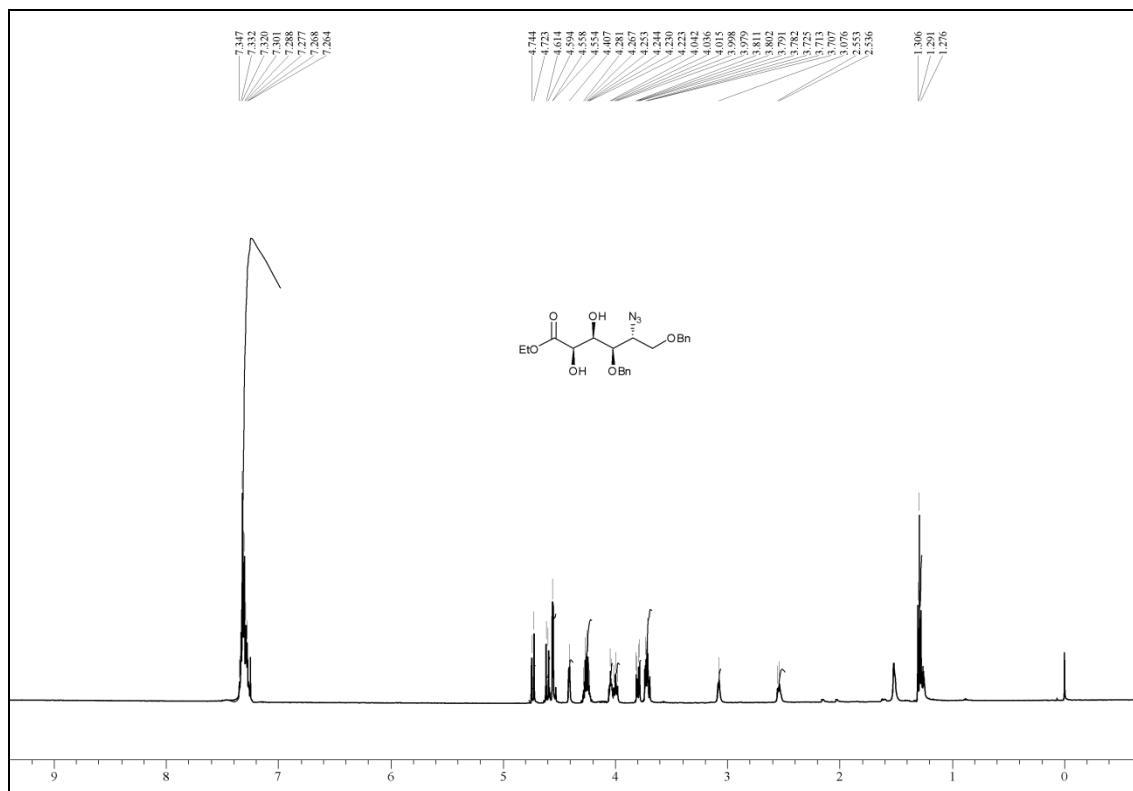


¹³C NMR spectrum of compound 14

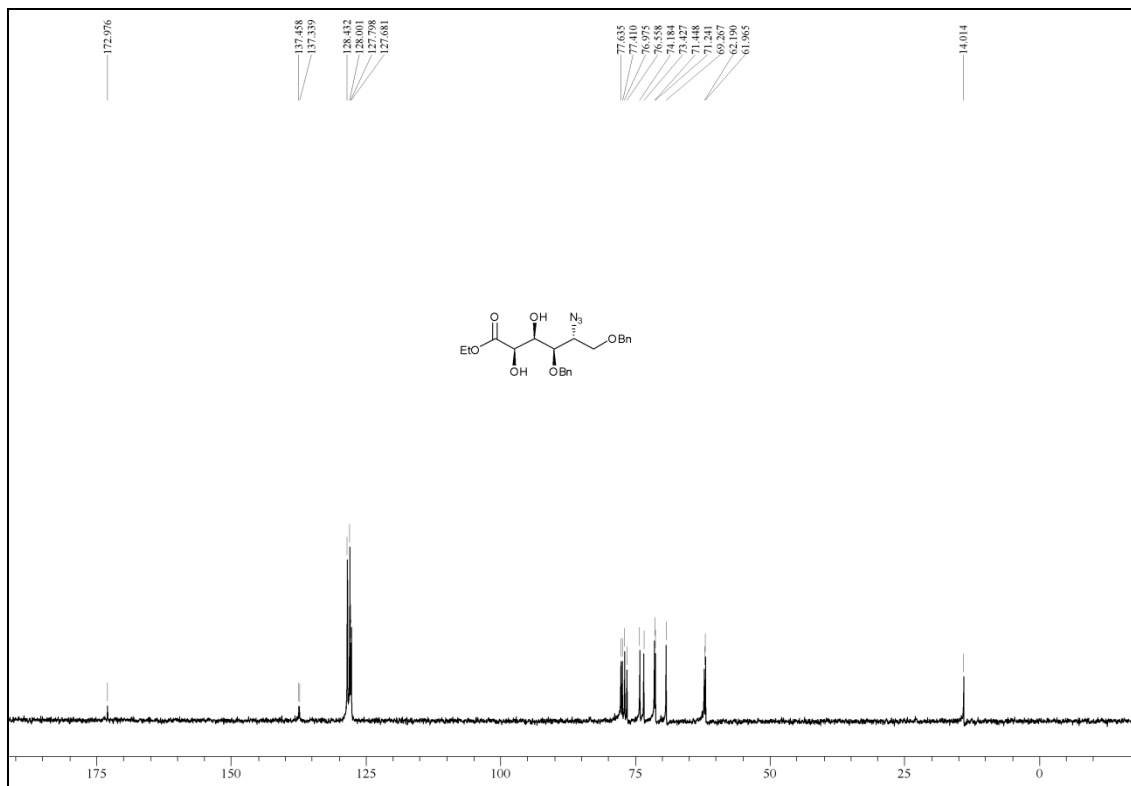


¹H NMR spectrum of compound 10

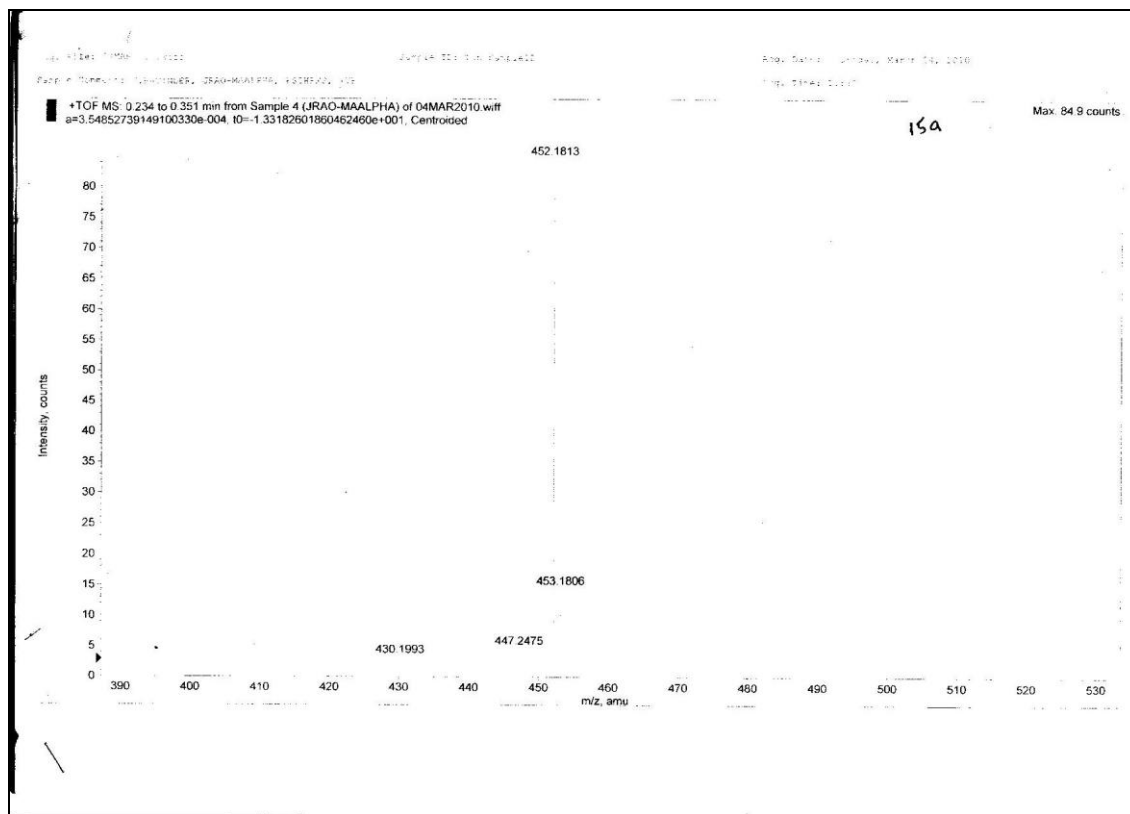
**¹³C NMR spectrum of compound 10****HRMS spectrum of compound 10**



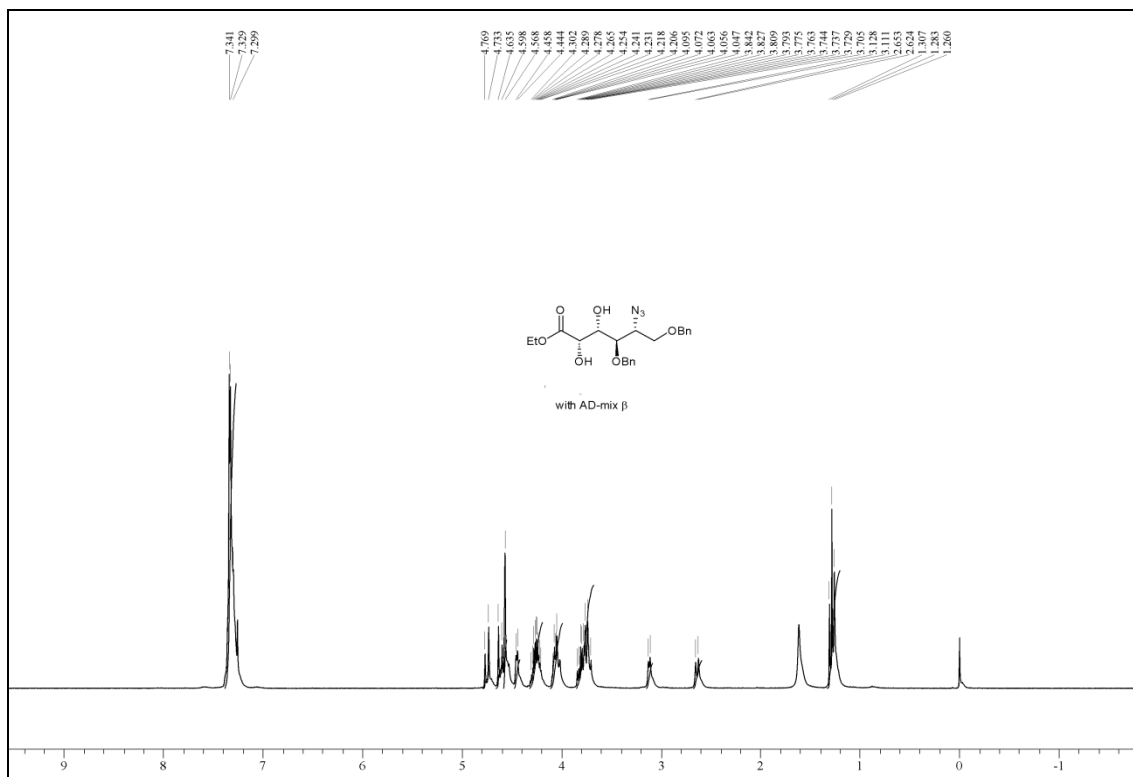
¹H NMR spectrum of compound 15a



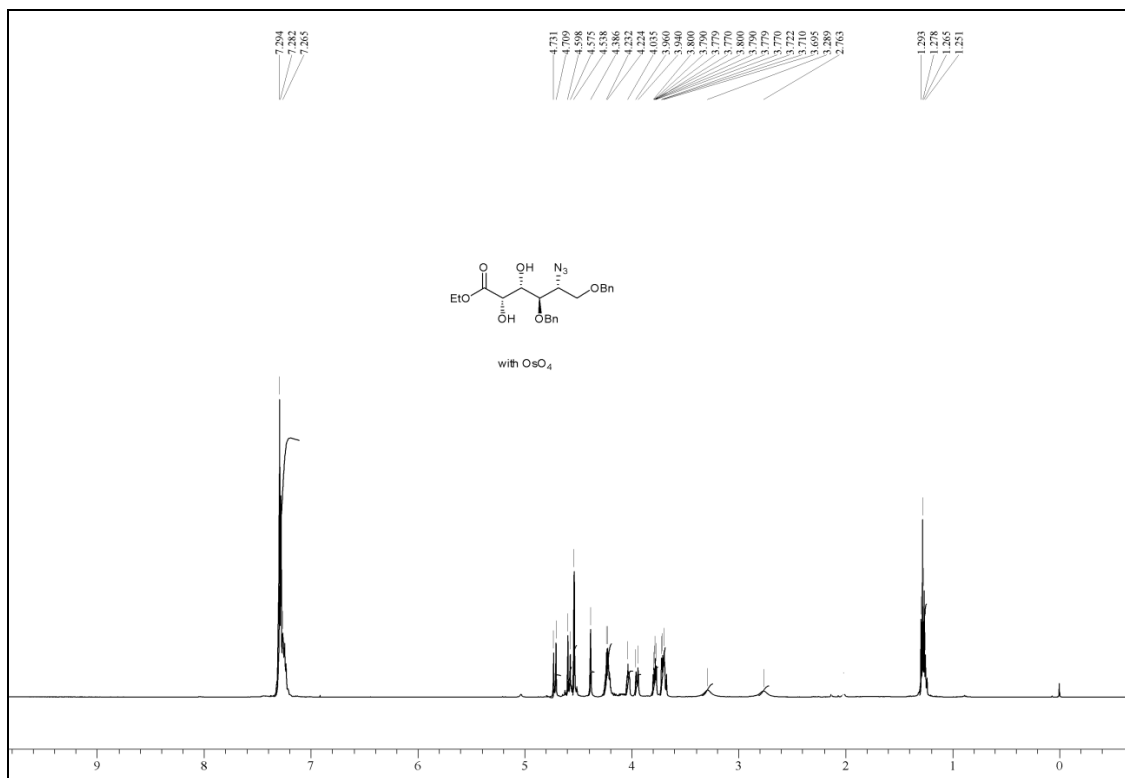
¹³C NMR spectrum of compound 15a



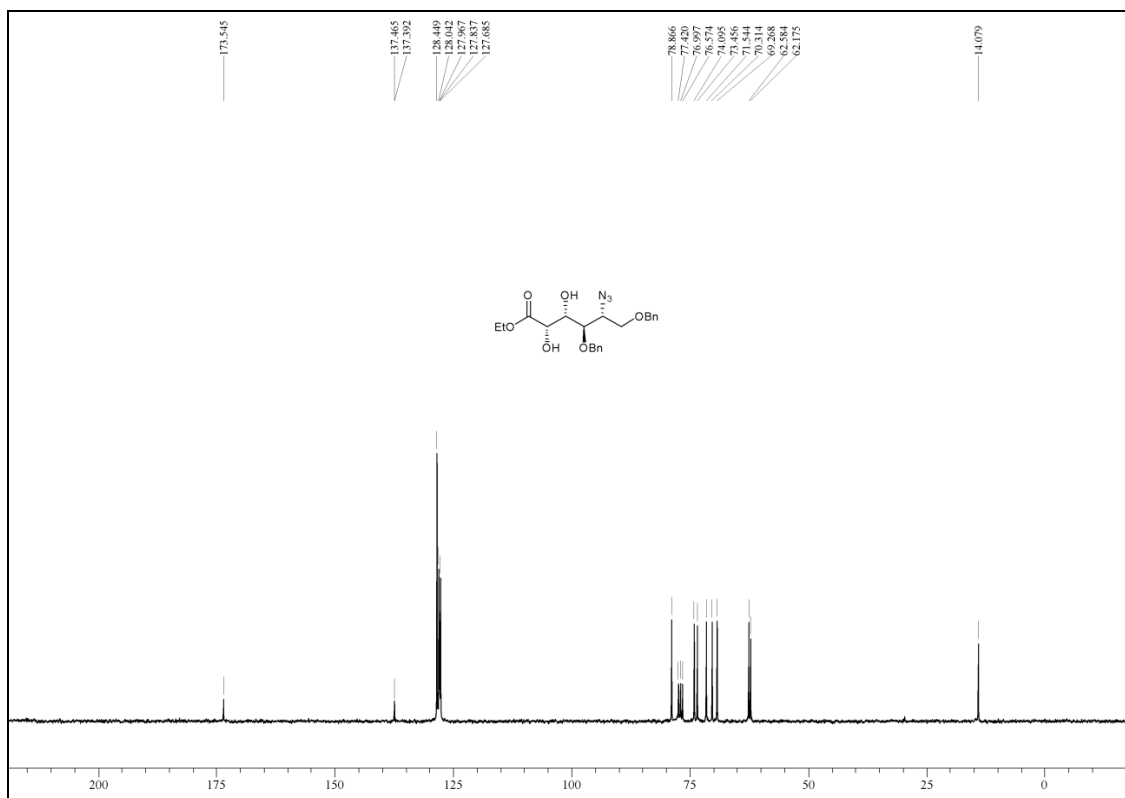
HRMS spectrum of compound 15a



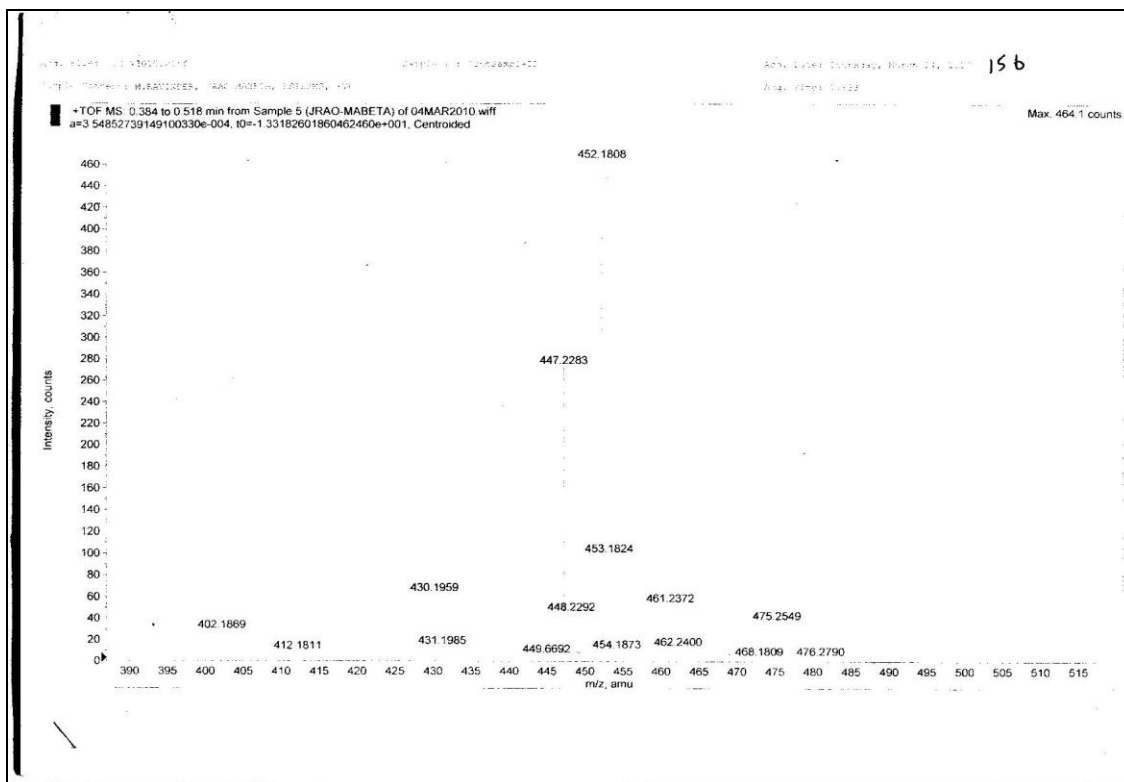
¹H NMR spectrum of compound 15b



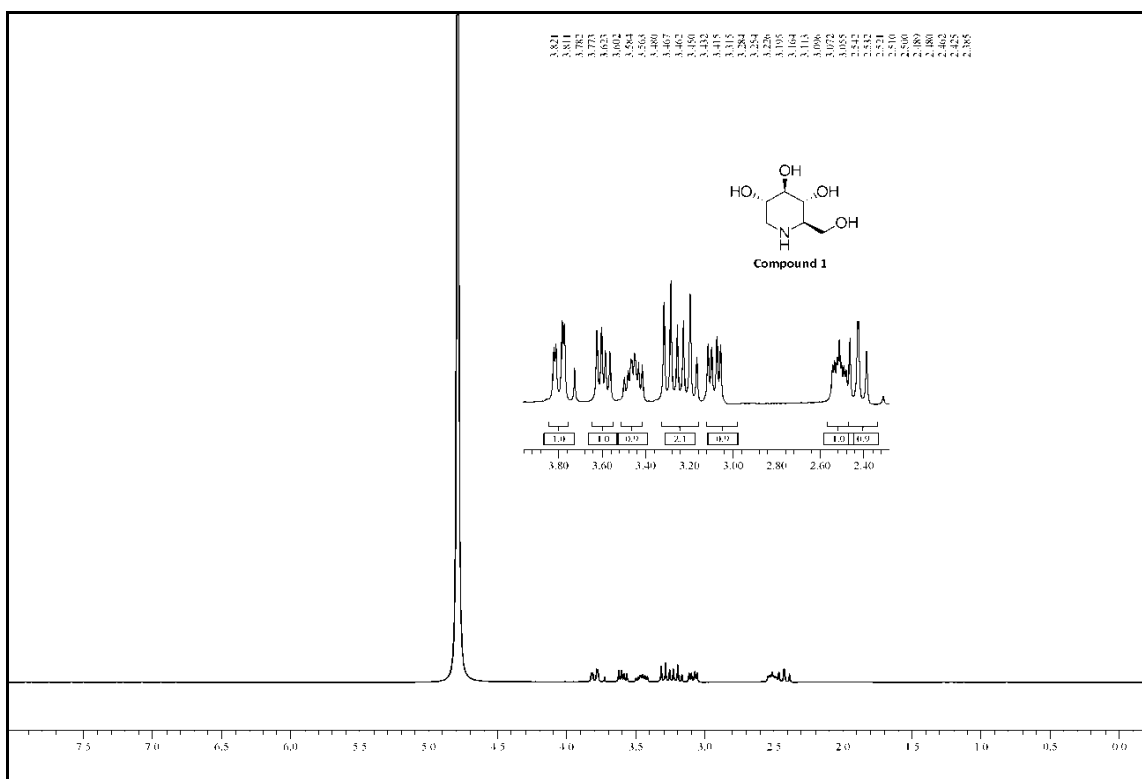
¹H NMR spectrum of compound 15b

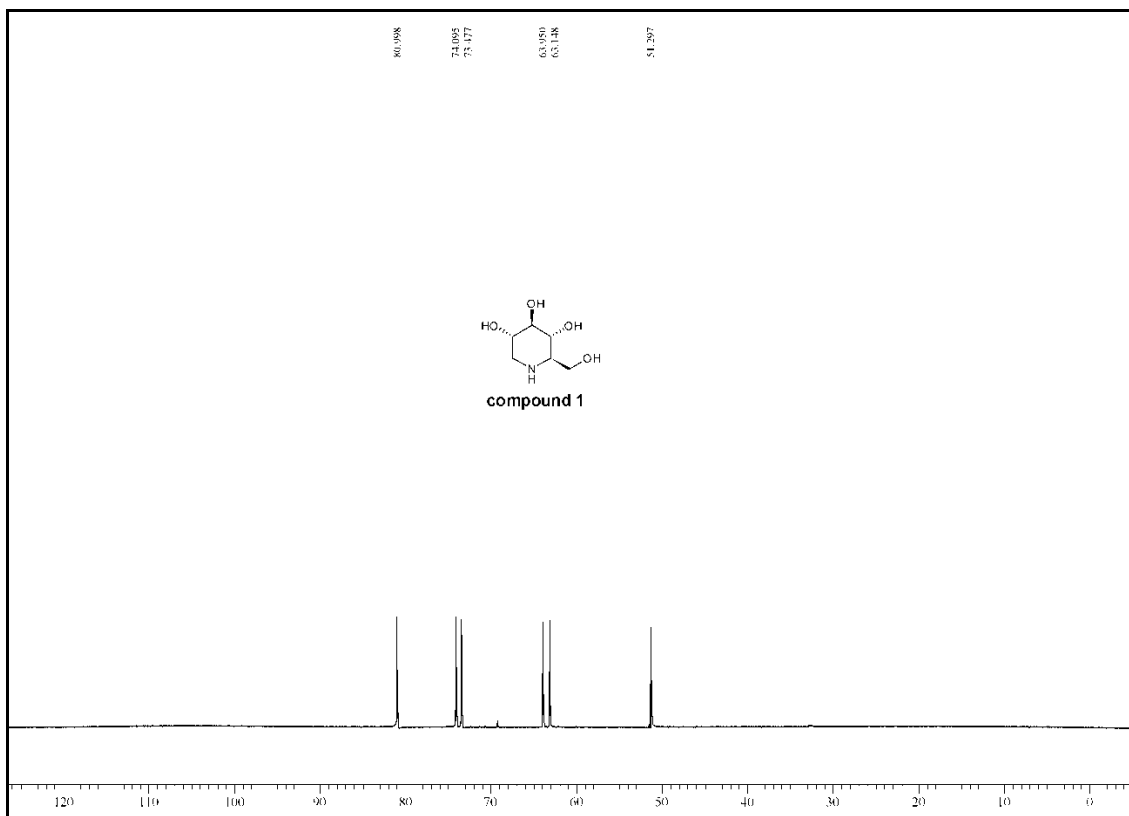
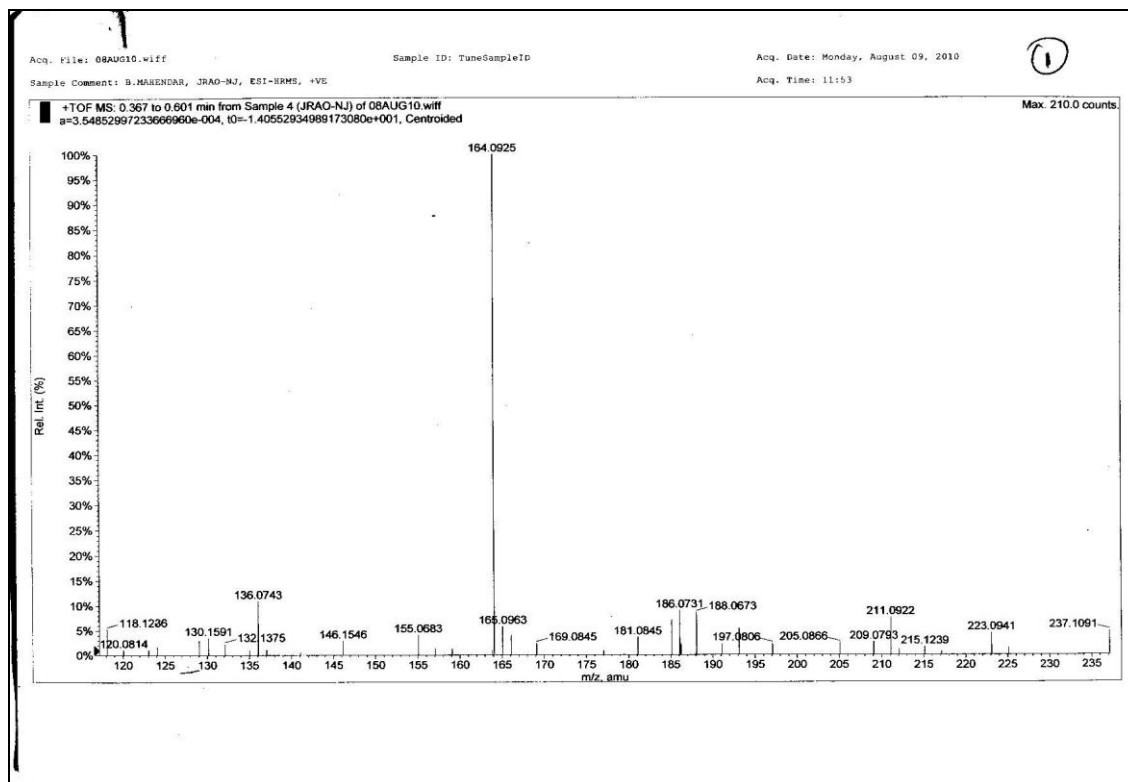


¹³C NMR spectrum of compound 15b

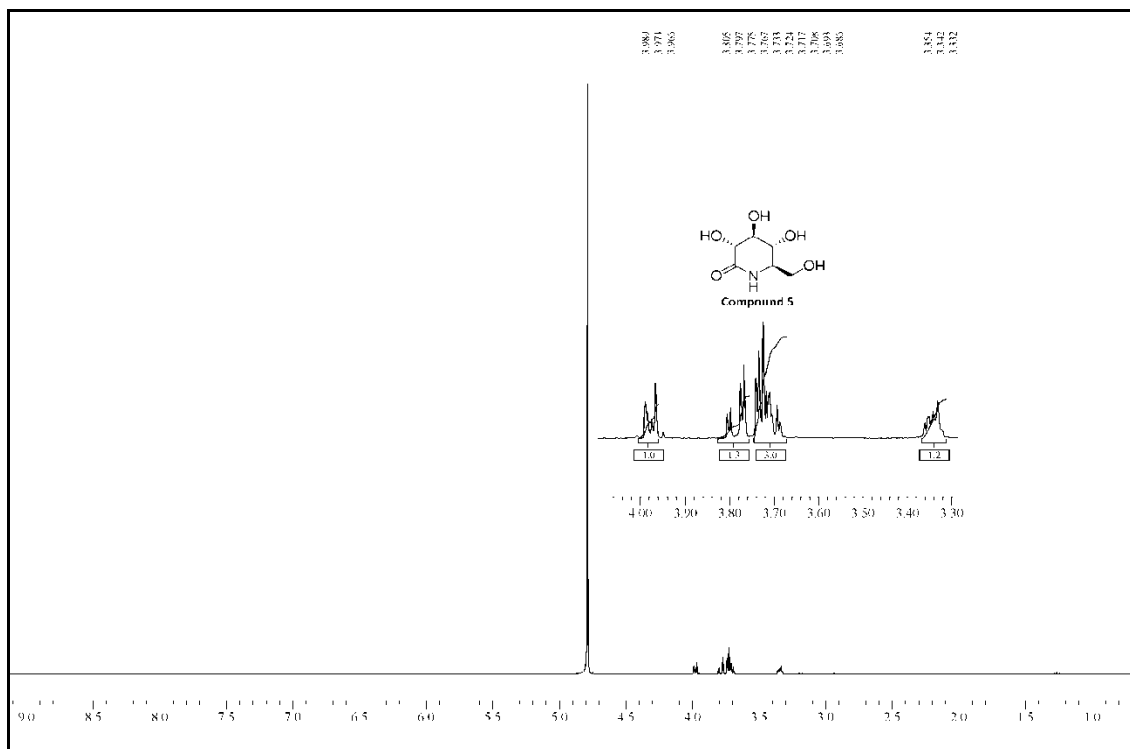


HRMS spectrum of compound 15b

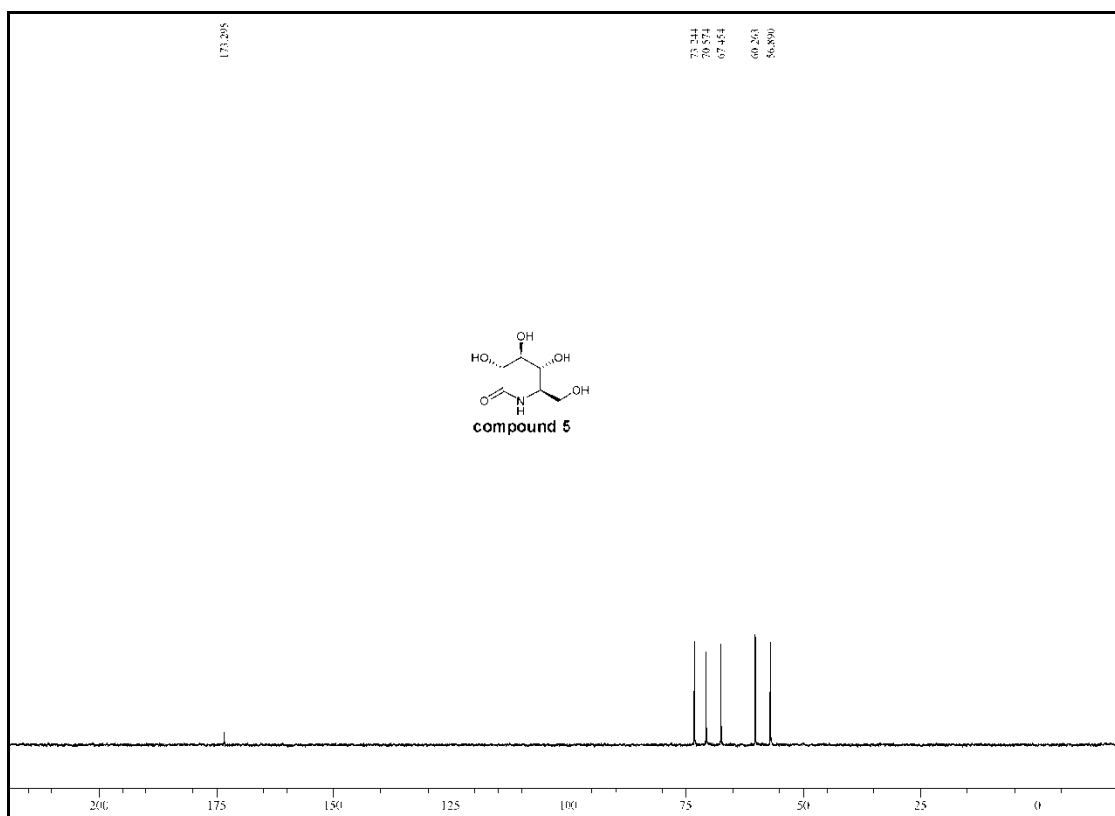
 ^1H NMR spectrum of compound 1

 ^{13}C NMR spectrum of compound 1

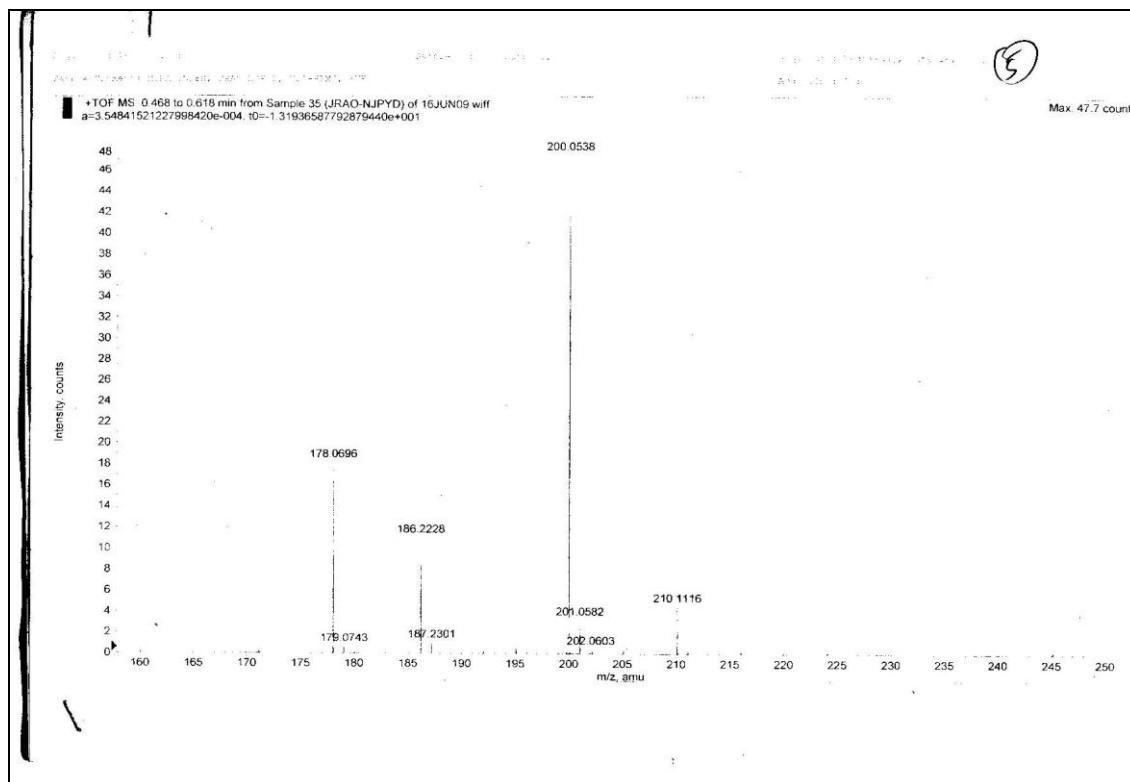
HRMS spectrum of compound 1



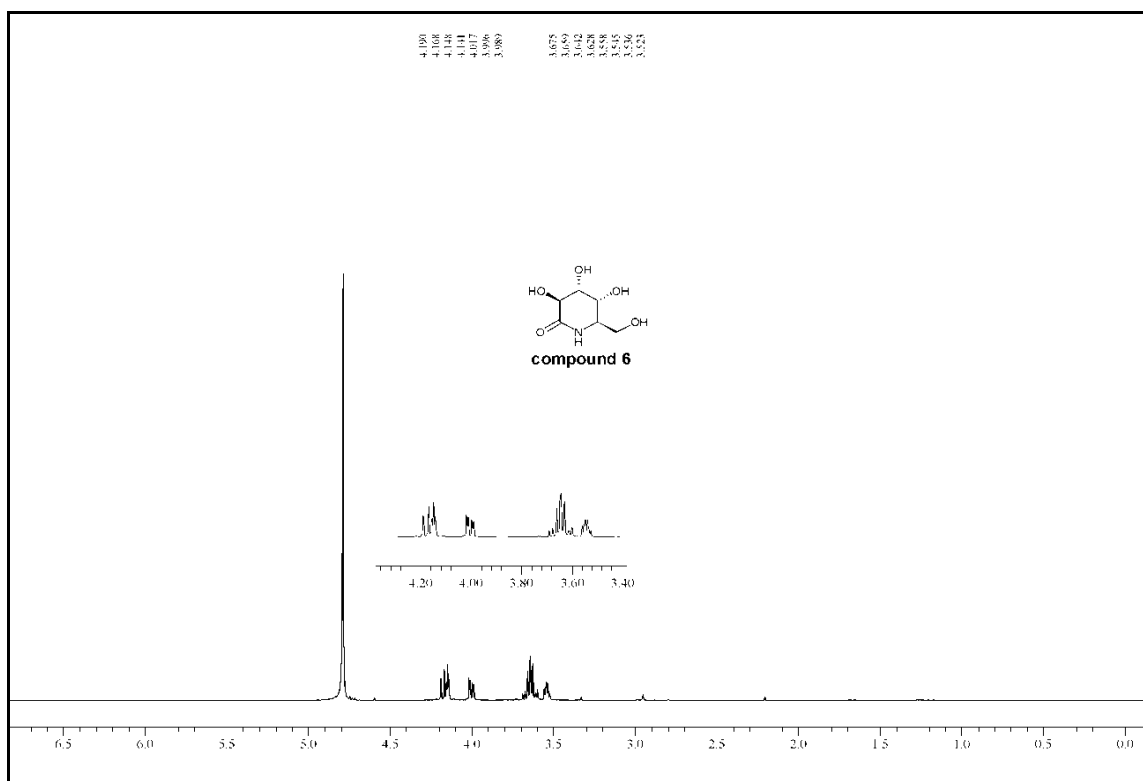
¹H NMR spectrum of compound 5

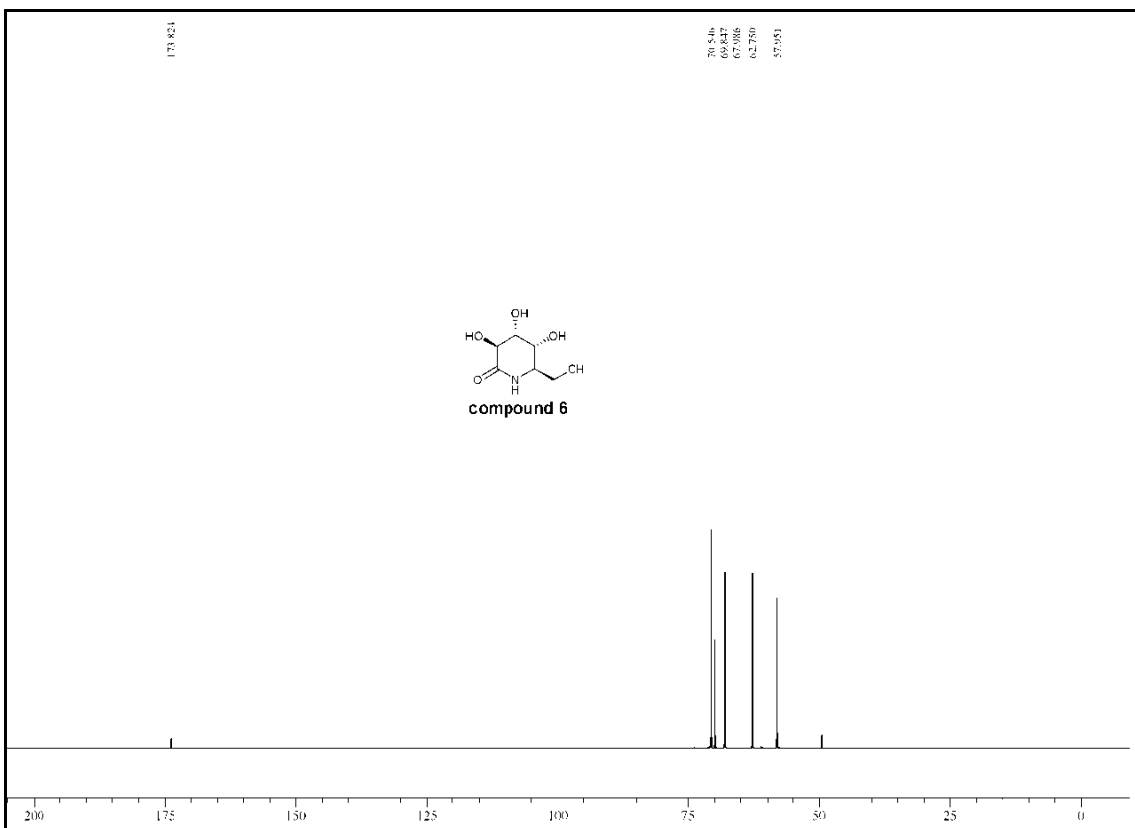


¹³C NMR spectrum of compound 5

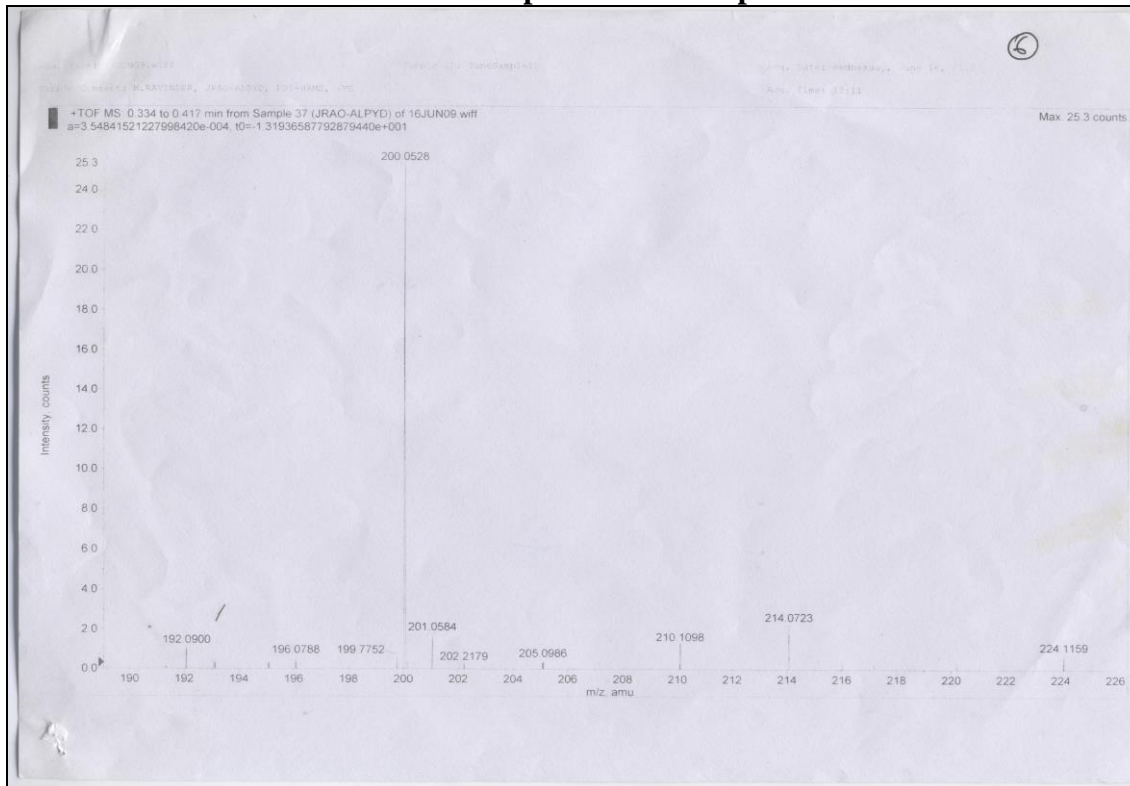


HRMS spectrum of compound 5

¹H NMR spectrum of compound 6



¹³C NMR spectrum of compound 6



HRMS spectrum of compound 6