

Supplementary Information

Facile synthesis of 3-amino substituted piperidines from L-glutamic acid

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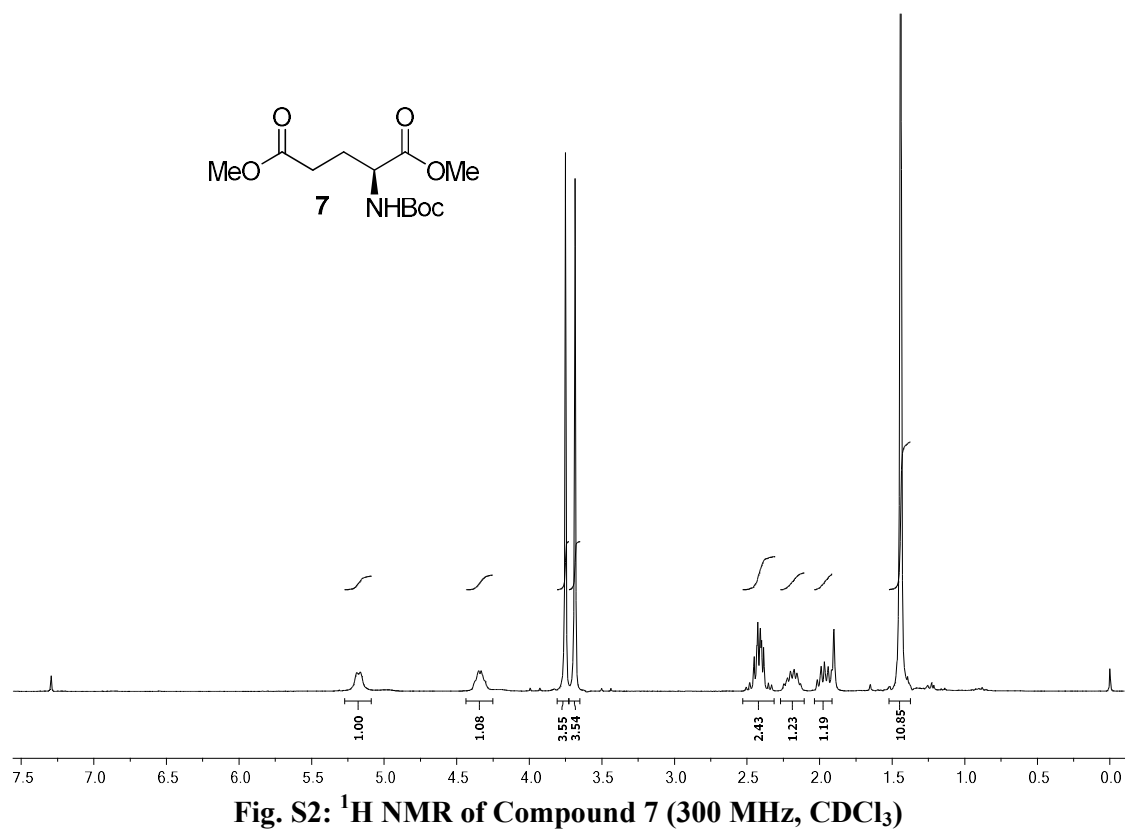
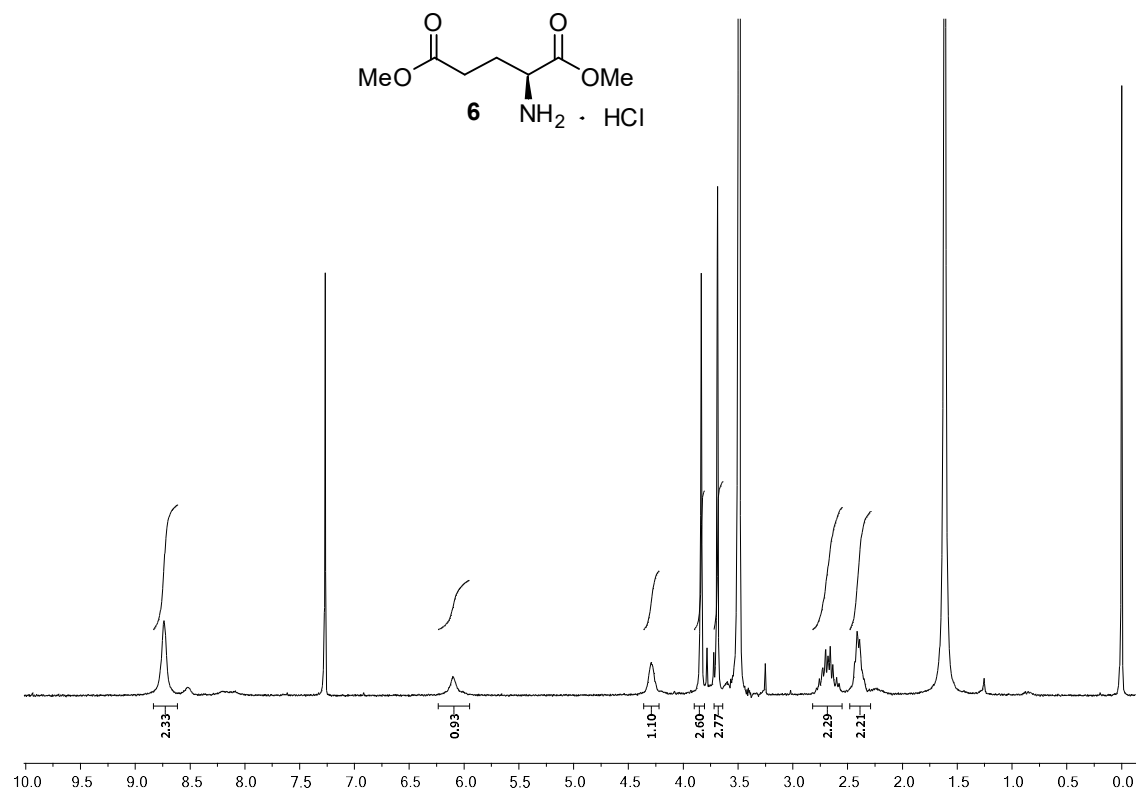
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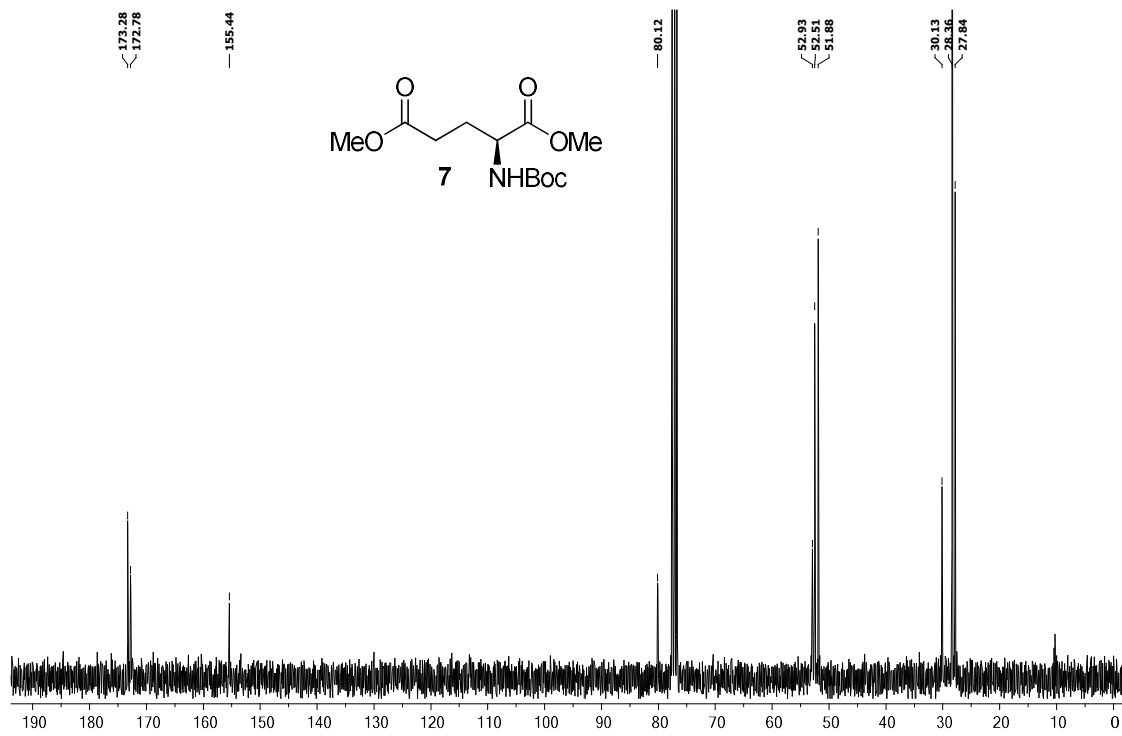


Fig. S3: ^{13}C NMR of Compound 7 (75 MHz, CDCl_3)

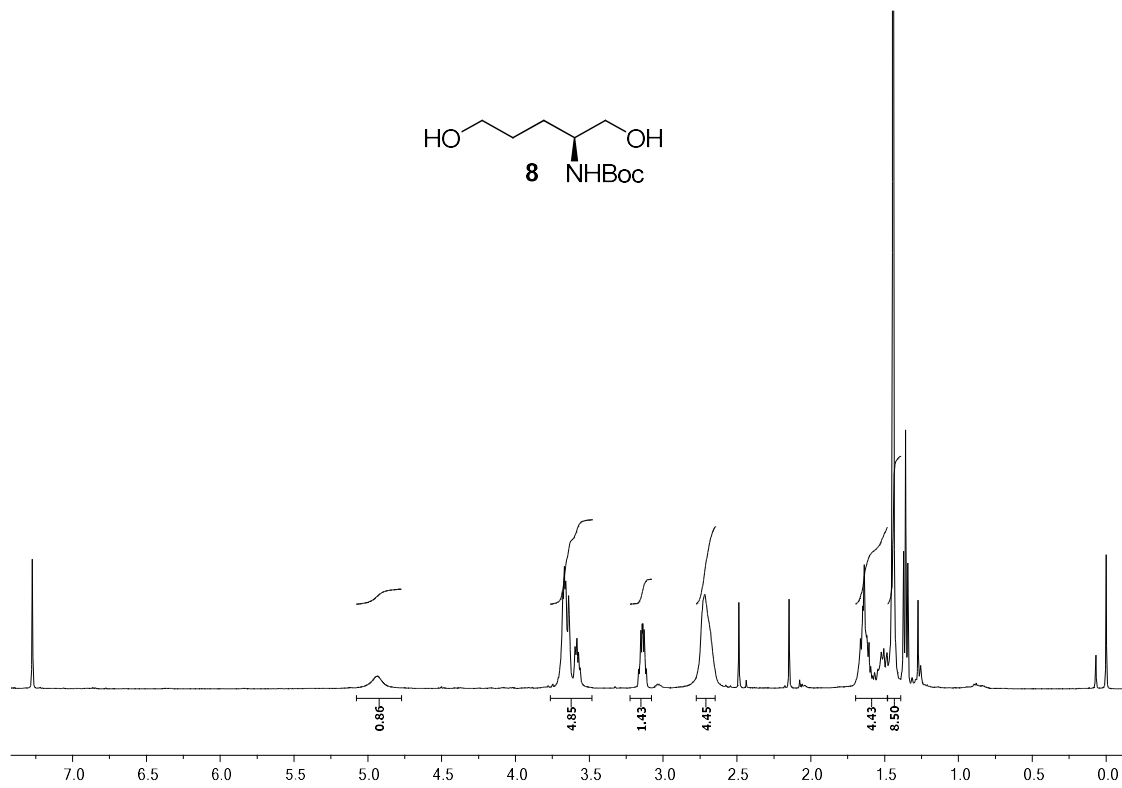


Fig. S4: ^1H NMR of Compound 8 (500 MHz, CDCl_3)

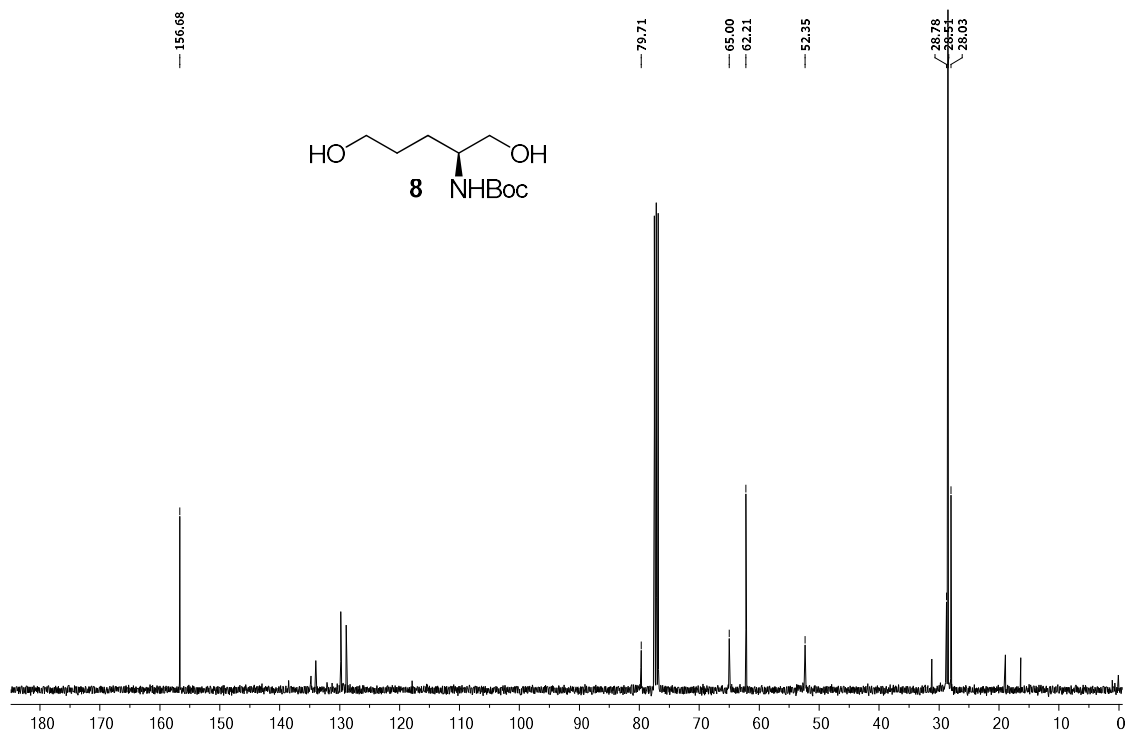


Fig. S5: ^{13}C NMR of Compound 8 (101 MHz, CDCl_3)

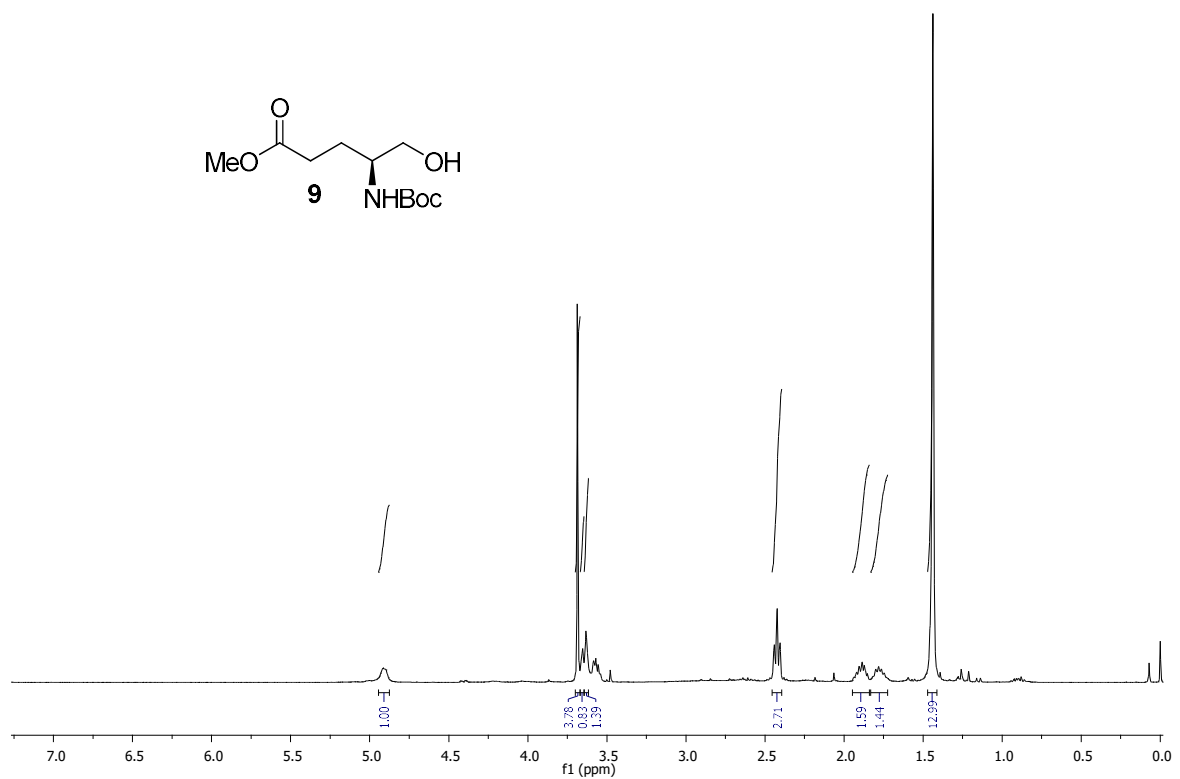


Fig. S6: ^1H NMR of Compound 9 (400 MHz, CDCl_3)

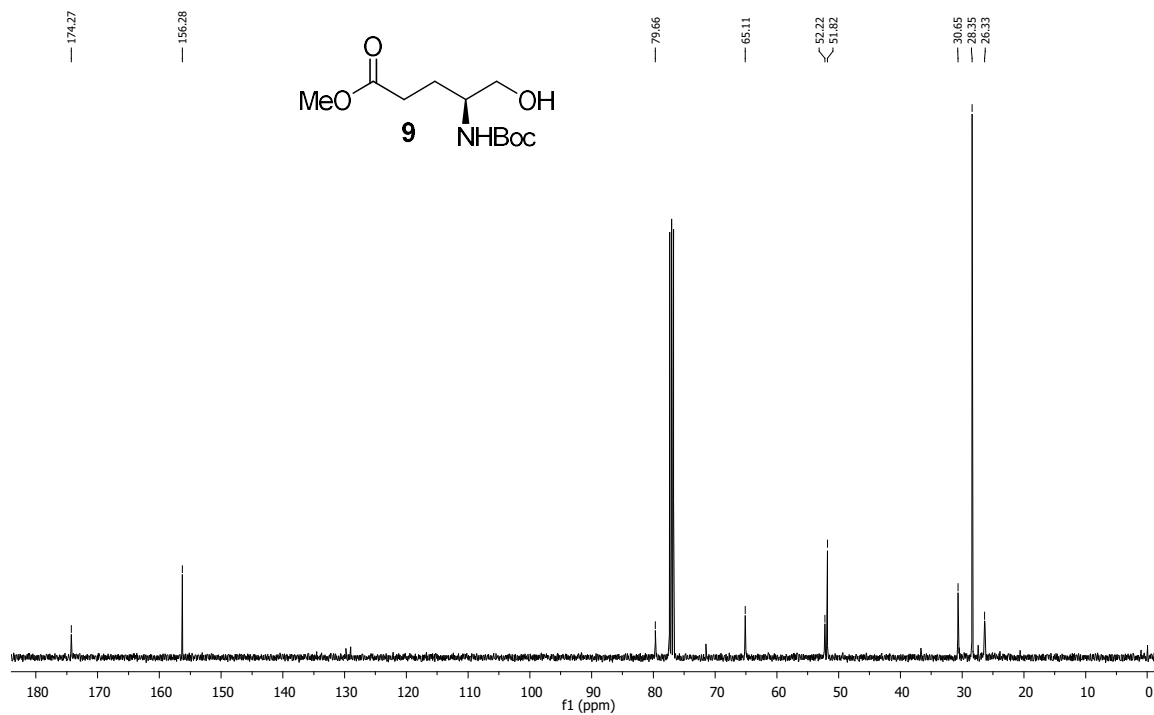


Fig. S7: ^{13}C NMR of Compound 9 (101 MHz, CDCl_3)

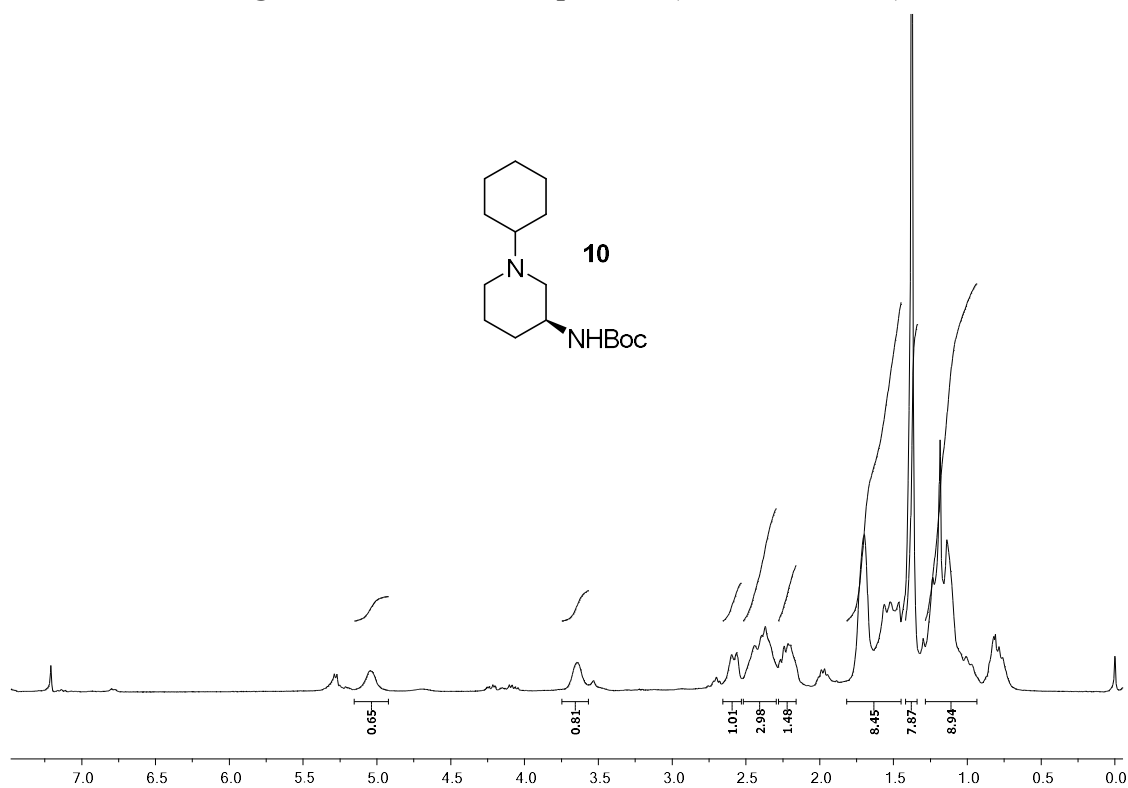
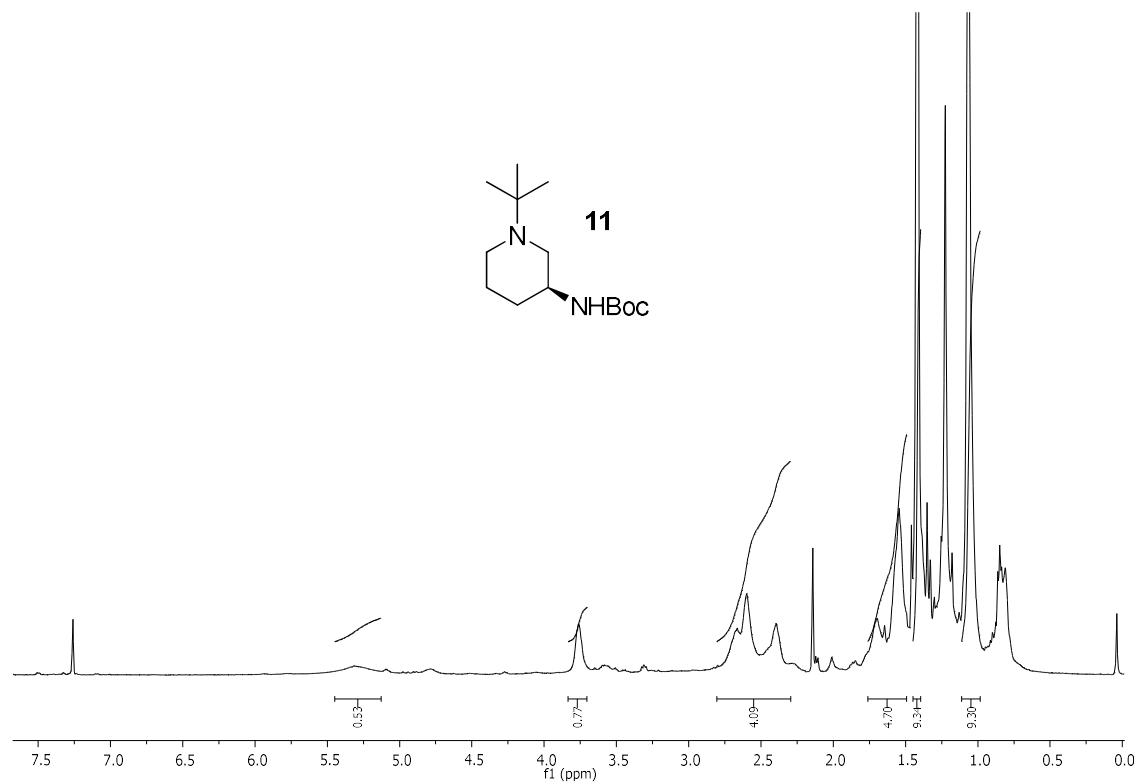
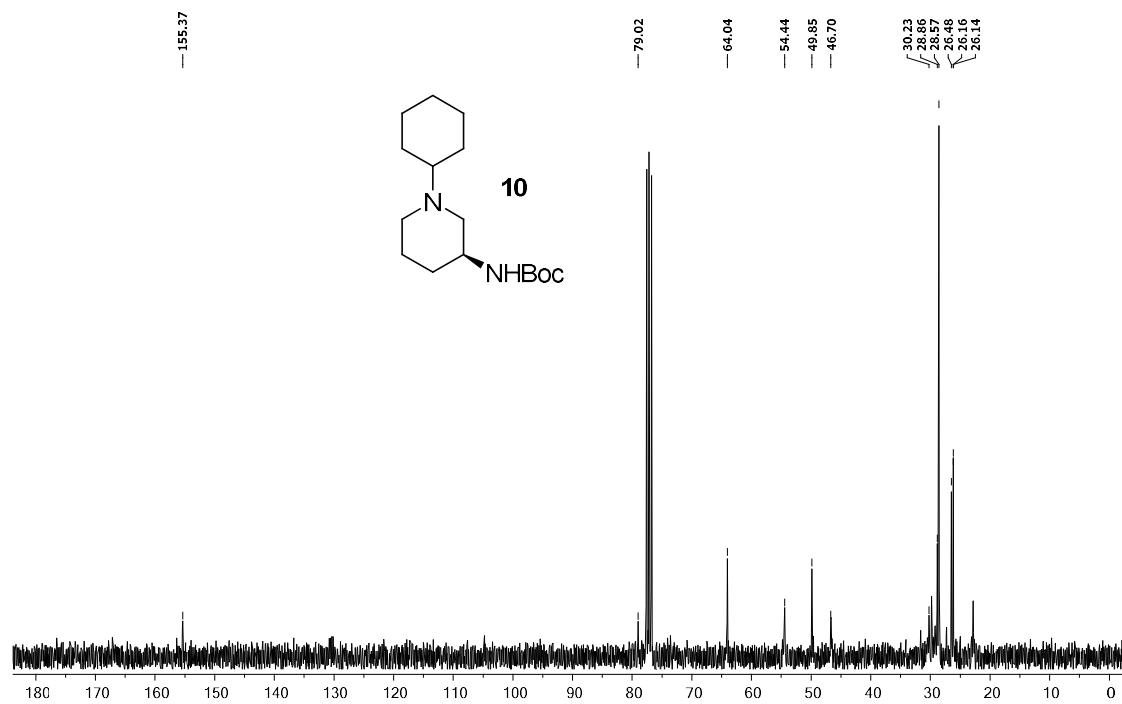


Fig. S8: ^1H NMR of Compound 10 (300 MHz, CDCl_3)



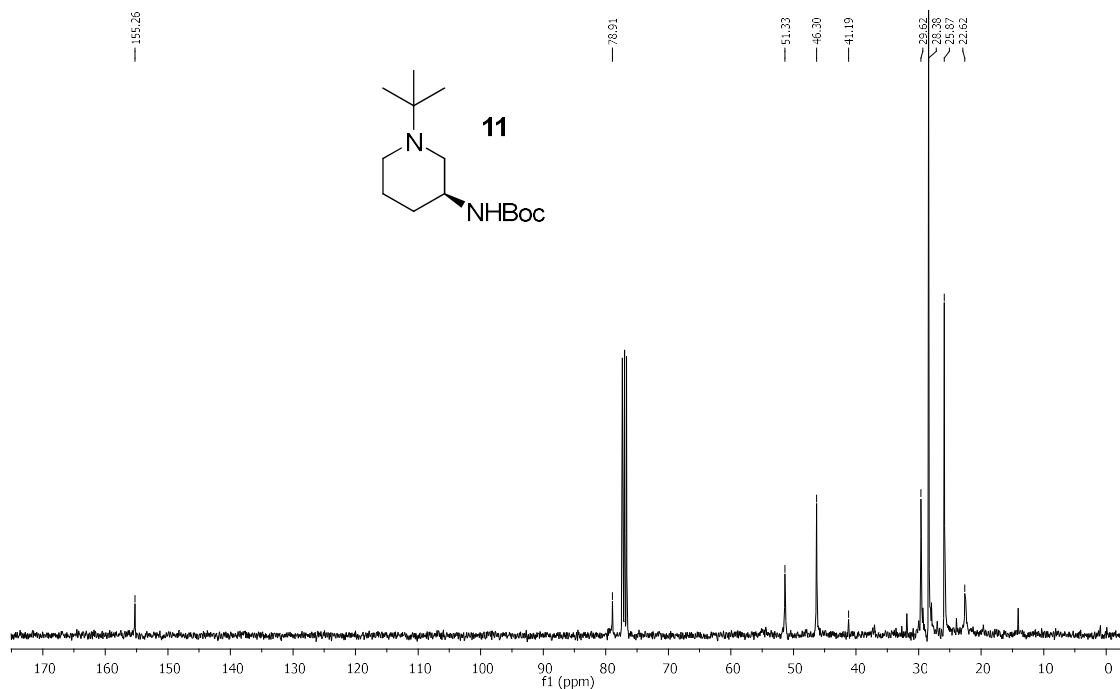


Fig. S11: ^{13}C NMR of Compound 11 (101 MHz, CDCl_3)

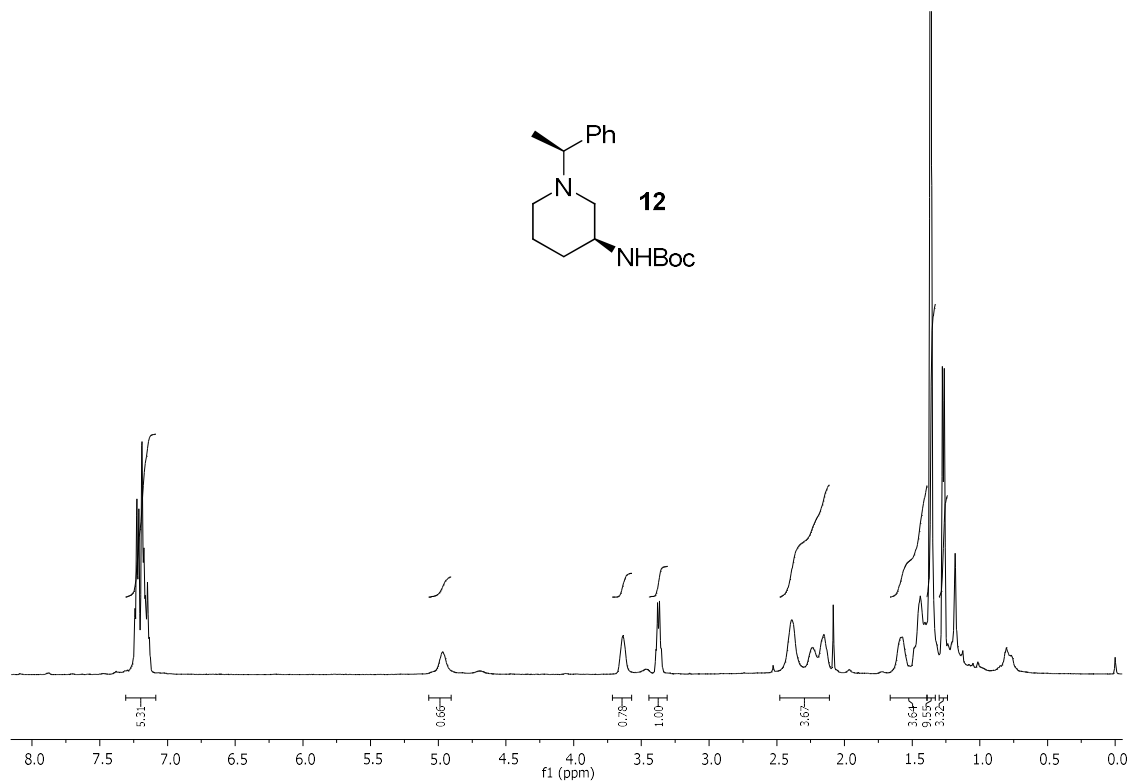
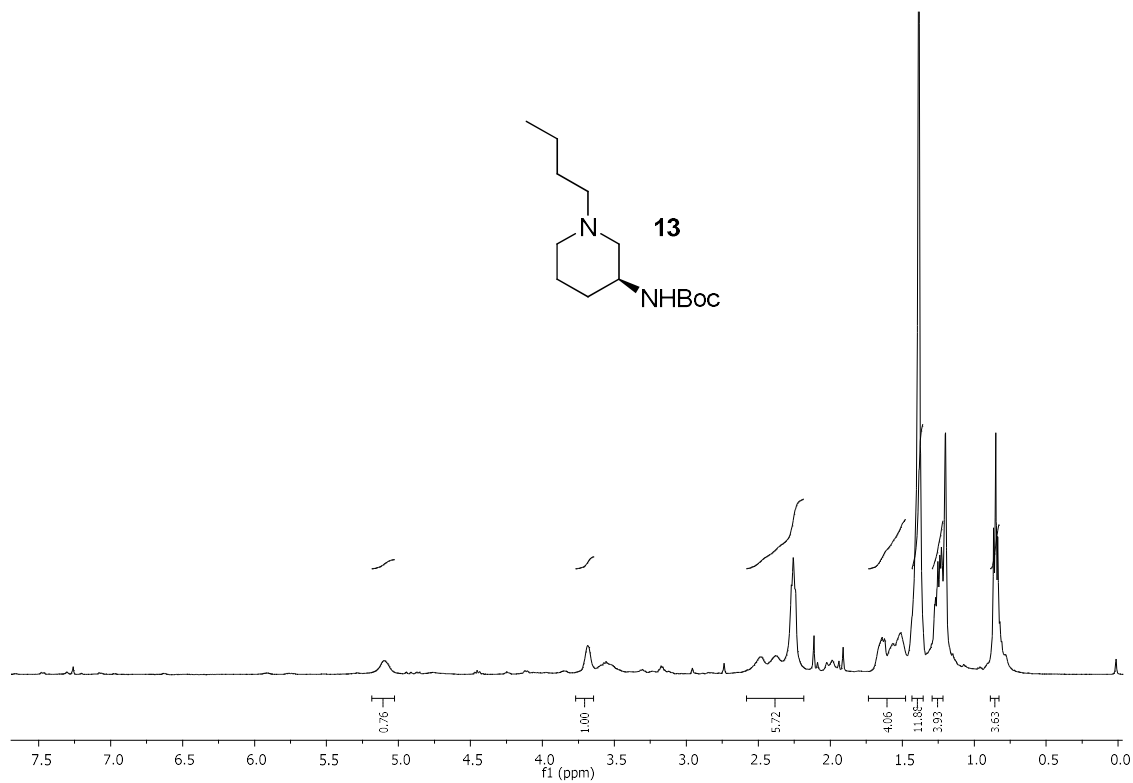
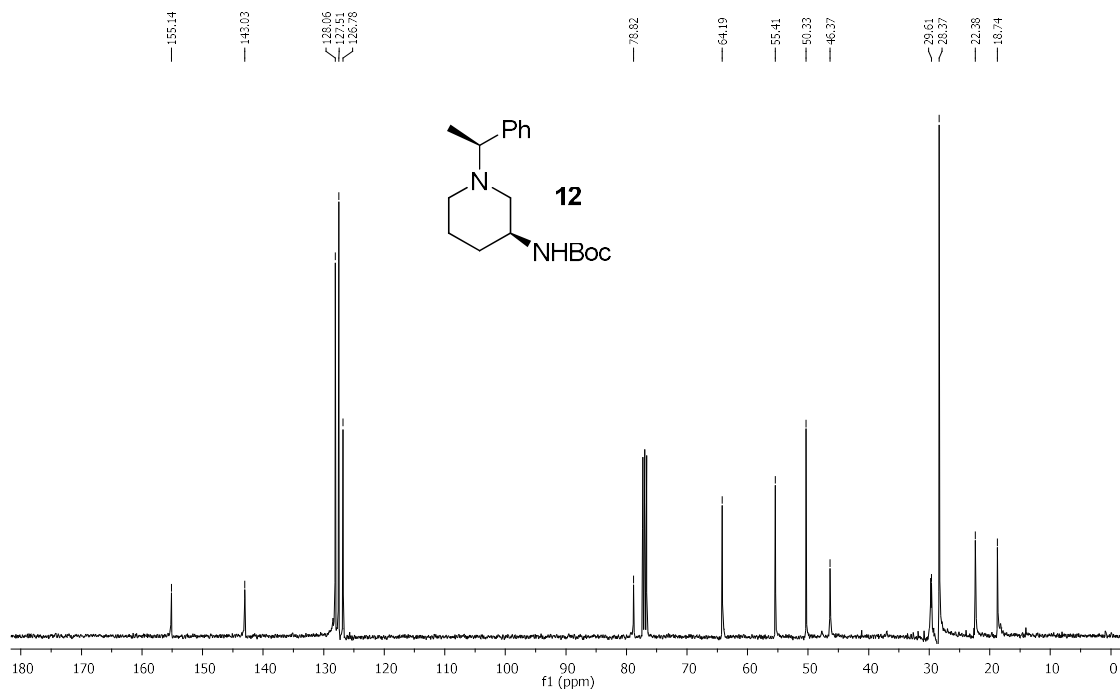


Fig. S12: ^1H NMR of Compound 12 (500 MHz, CDCl_3)



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AS_16D

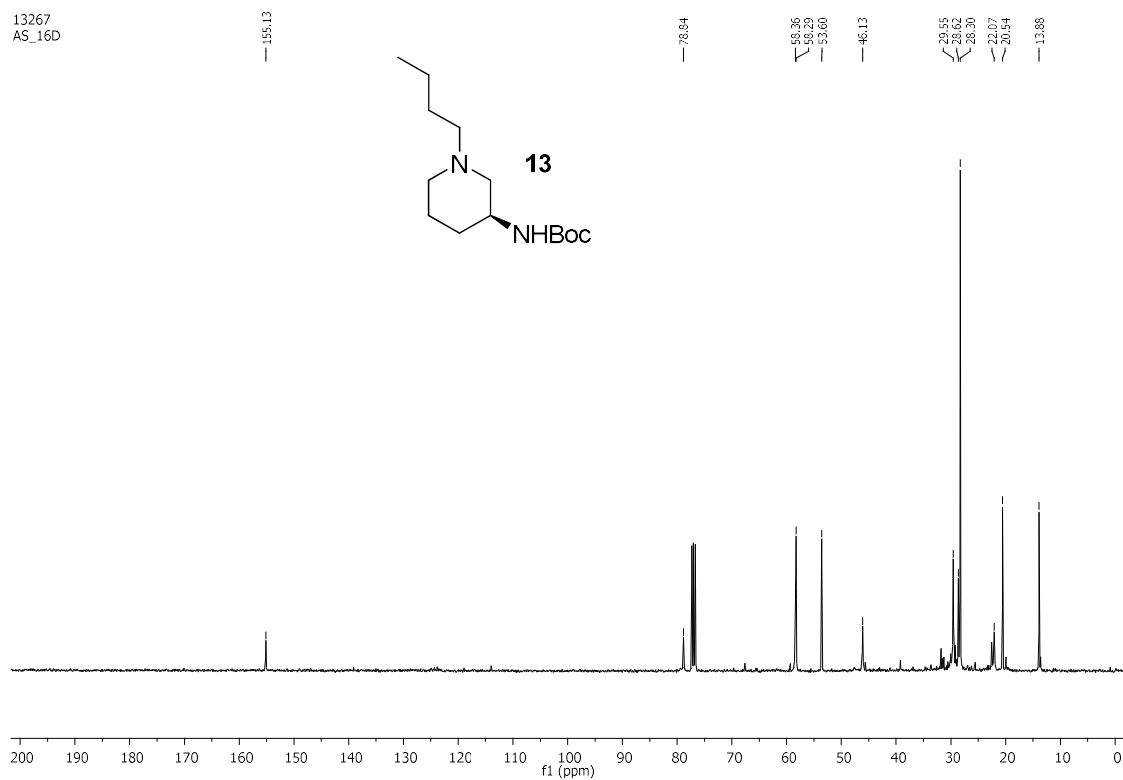


Fig. S15: ¹³C NMR of Compound 13 (101 MHz, CDCl₃)

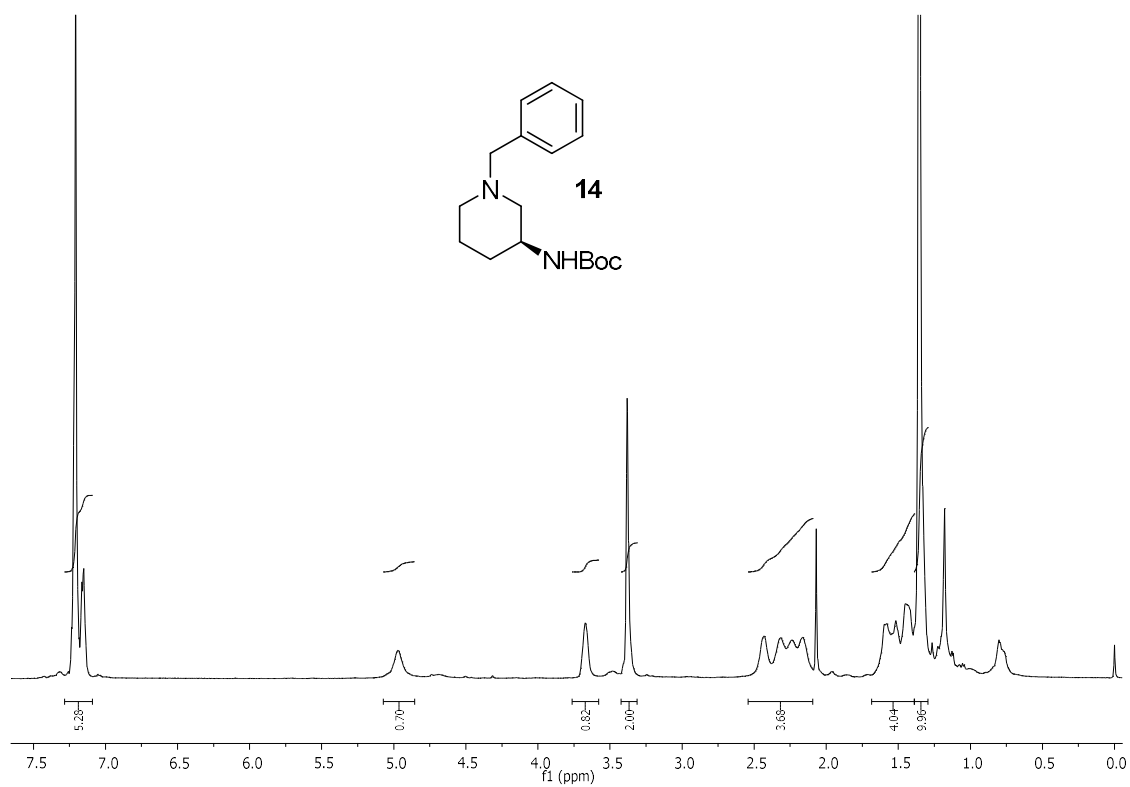


Fig. S16: ¹H NMR of Compound 14 (500 MHz, CDCl₃)

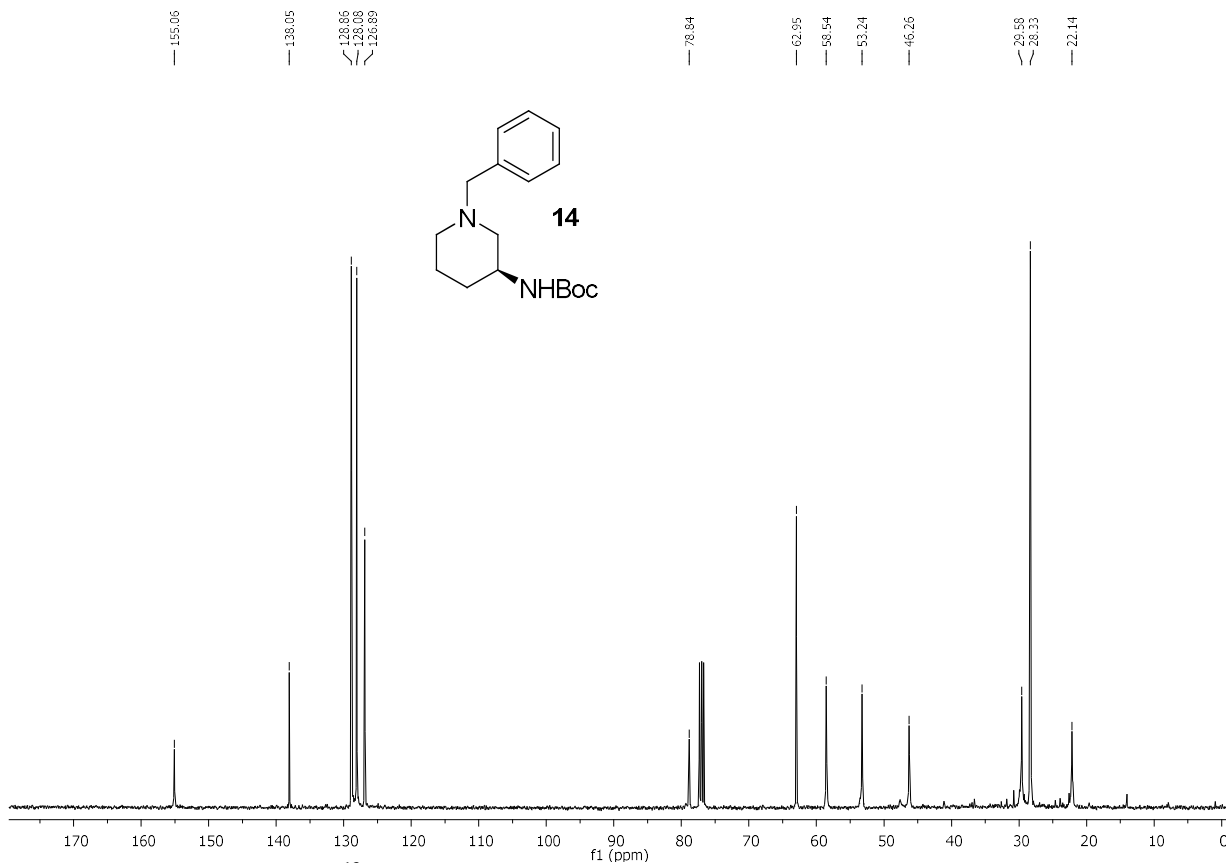


Fig. S17: ^{13}C NMR of Compound 14 (101 MHz, CDCl_3)

Sample Name	Sonam T. K. (SAIF220)	Position	Vial 43	Instrument Name	Instrument 1	User Name
Inj Vol	1	InjPosition		SampleType	Sample	IRM Calibration Status
Data Filename	LG-OMe.d	ACQ Method	ISOCRATIC.m	Comment		Acquired Time

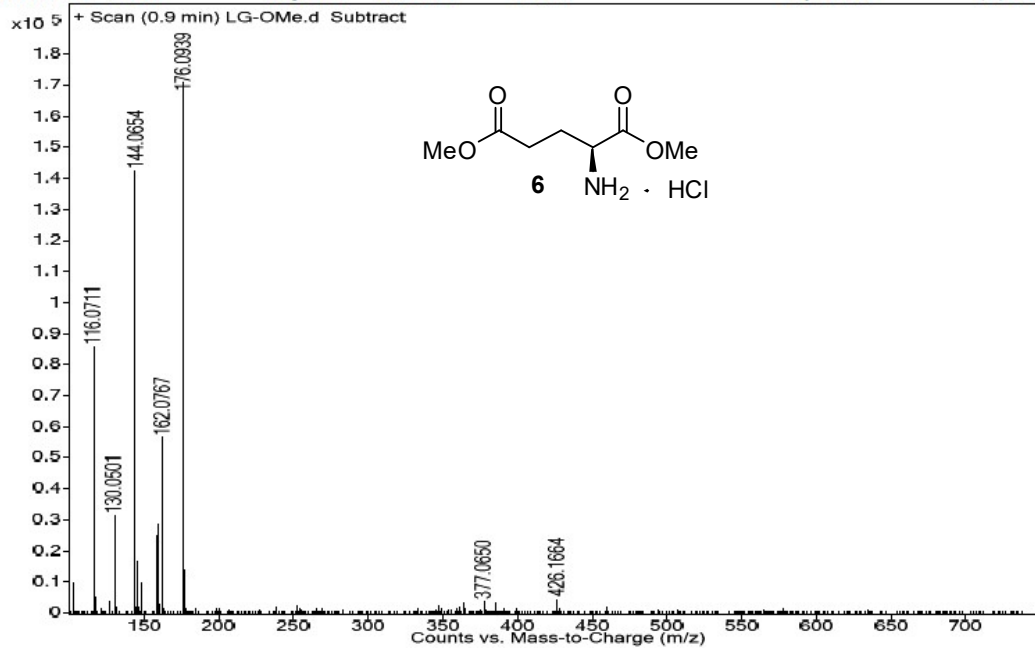


Fig. S18: HRMS Spectrum of compound 6

Sample Name	Sonam T. K. (SAIF220)	Position	Vial 42	Instrument Name	Instrument 1	User Name	
Inj Vol	1	InjPosition		SampleType	Sample	IRM Calibration Status	Some Ions Missed
Data Filename	LG-B.d	ACQ Method	ISOCRATIC.m	Comment		Acquired Time	8/31/2022 3:53:49 PM

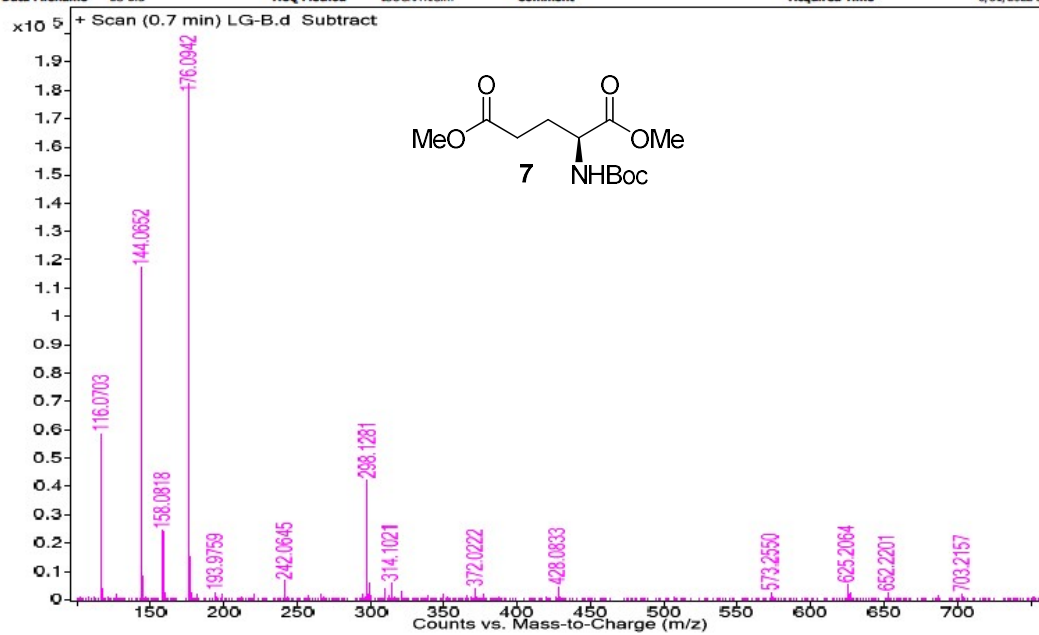


Fig. S19: HRMS Spectrum of compound 7

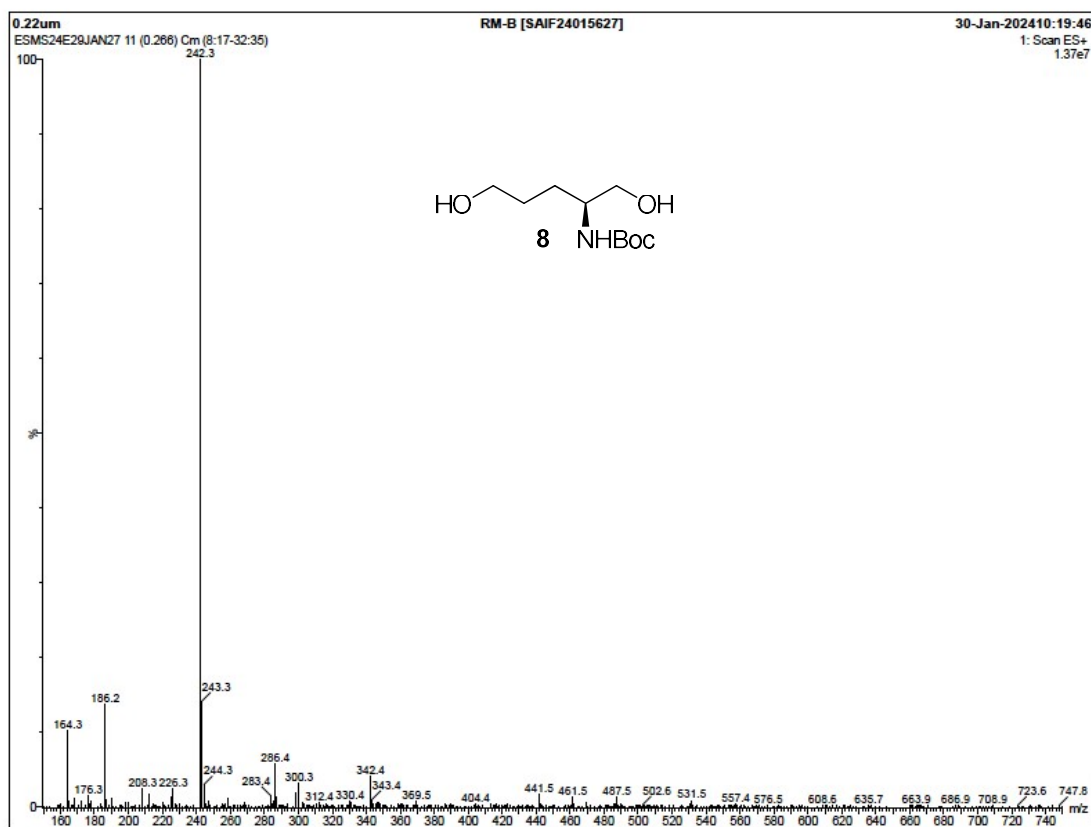


Fig. S20: ESI-MS Spectrum of compound 8

Sample Name	Sonam T. K. (SAIF220)	Position	Vial 44	Instrument Name	Instrument 1	User Name	
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Data Filename	LG-R.d	ACQ Method	ISOCRATIC.m	Comment		Acquired Time	8/31/2022 4:00:01 PM

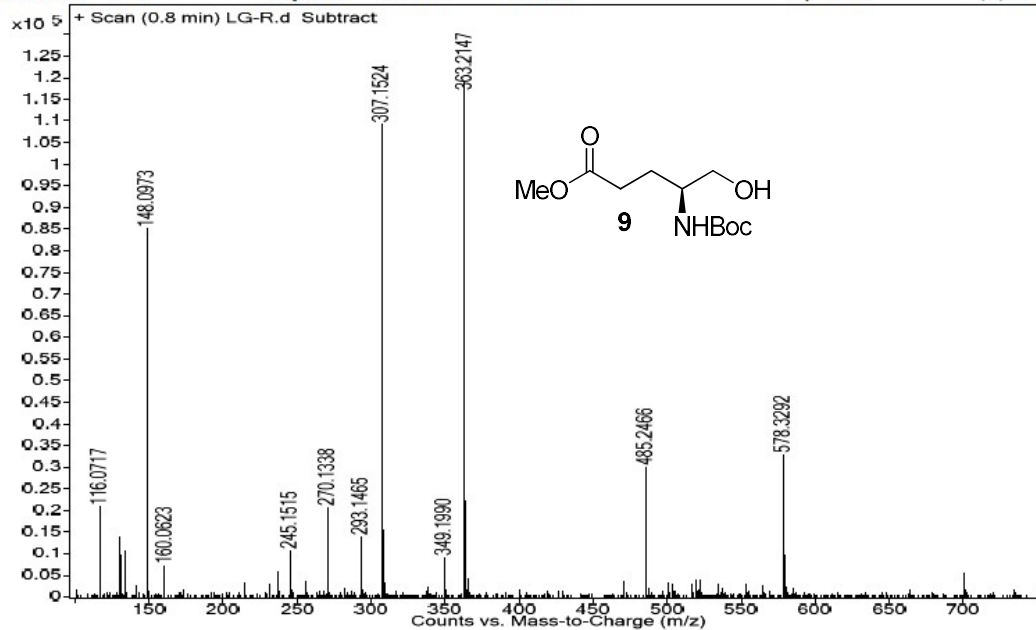


Fig. S21: HRMS Spectrum of compound 9

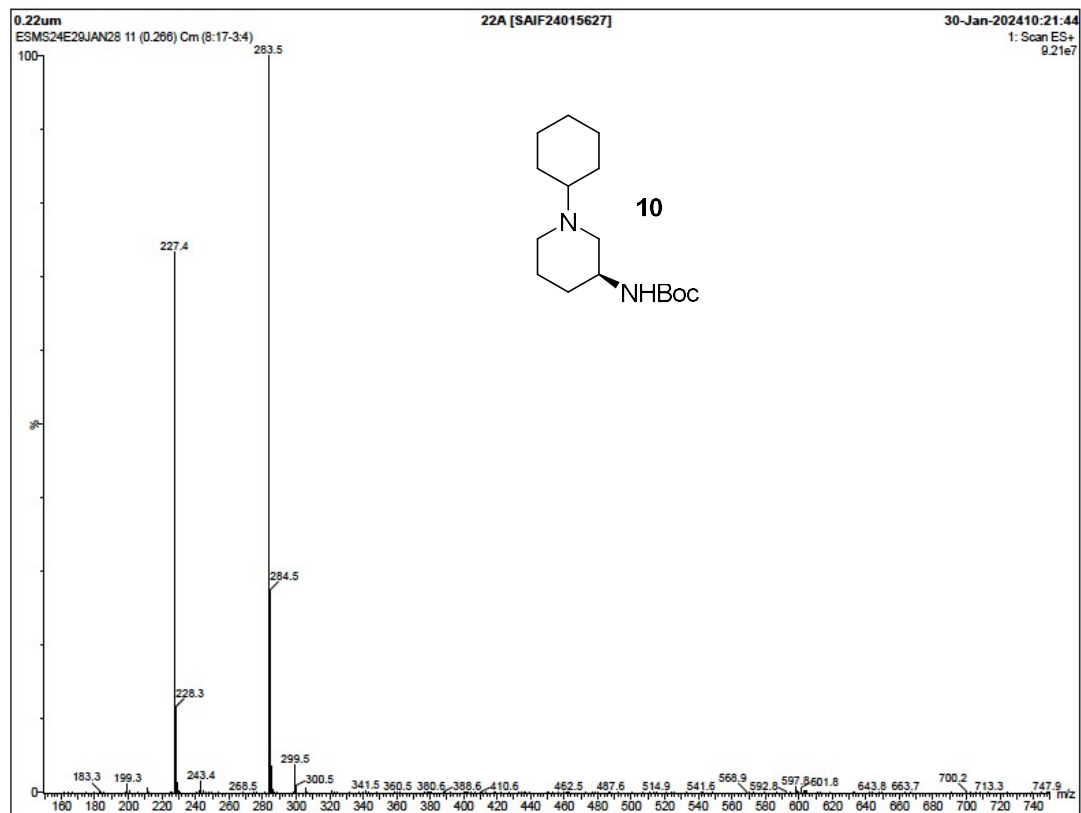


Fig. S22: ESI-MS Spectrum of compound 10

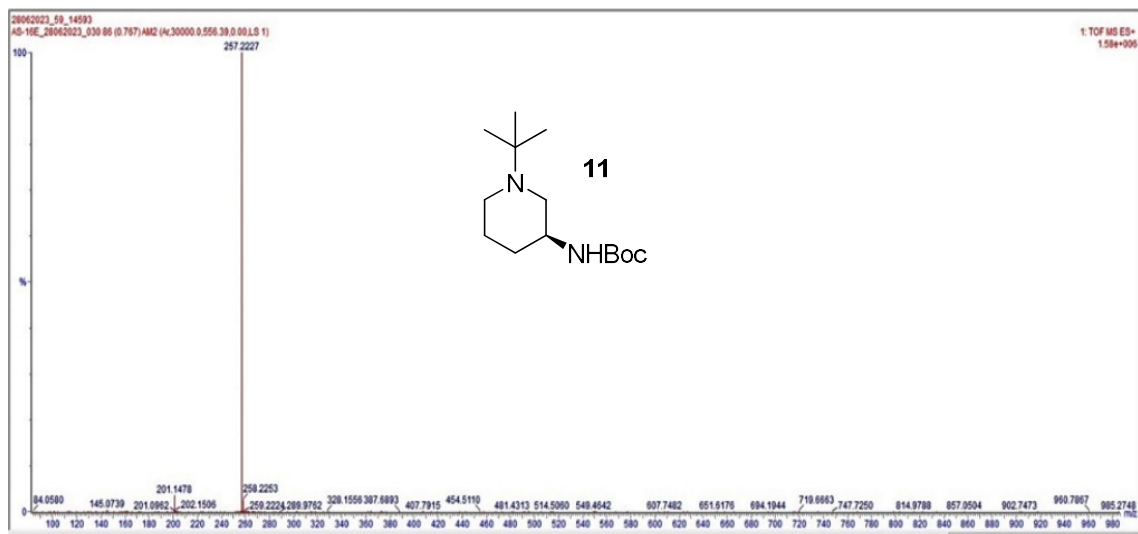


Fig. S23: HRMS Spectrum of compound 11

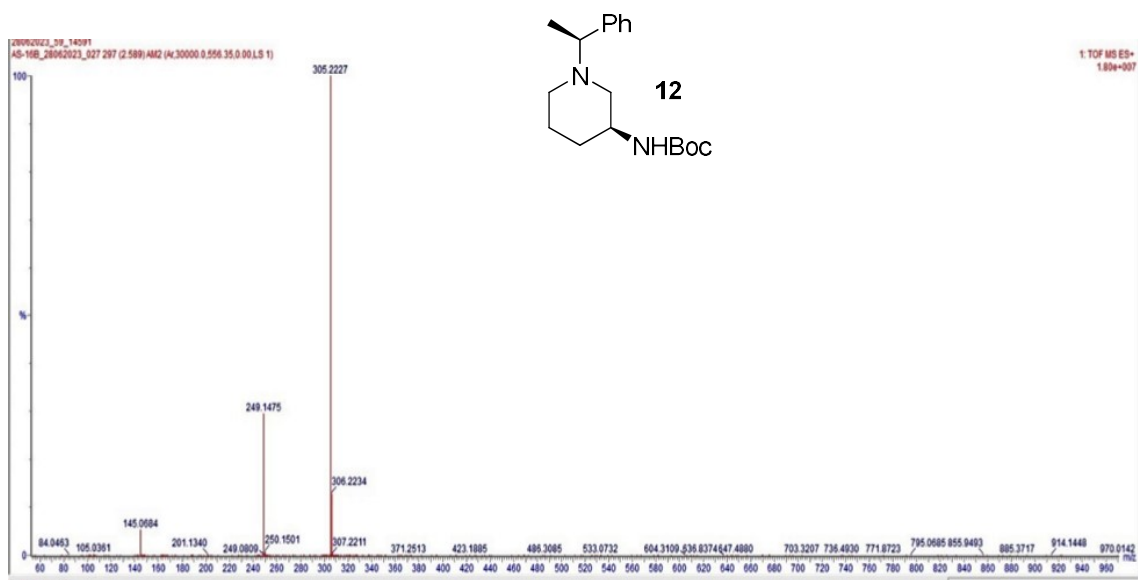


Fig. S24: HRMS Spectrum of compound 12

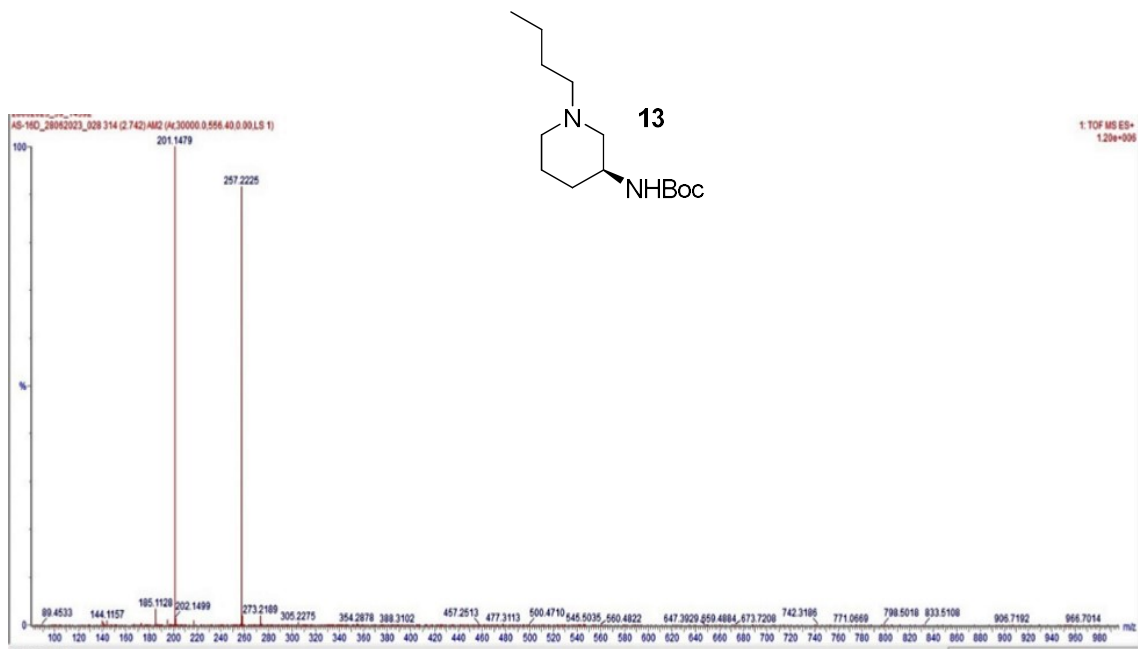


Fig. S25: HRMS Spectrum of compound 13

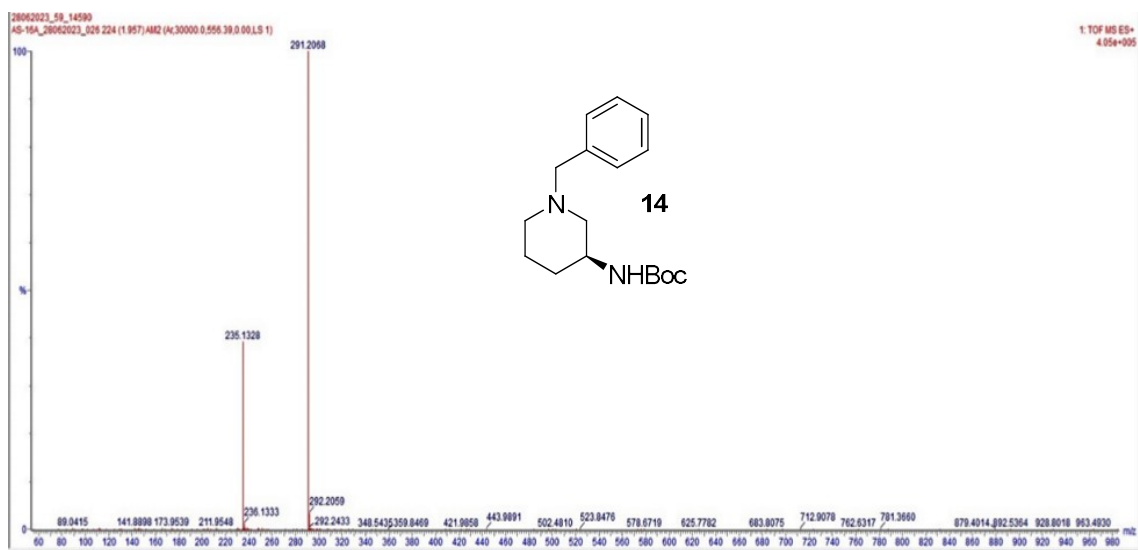


Fig. S26: HRMS Spectrum of compound 14