

Synthesis of substituted pyrrole derivatives based on 8-azaspiro[5.6]dodec-10-ene scaffold

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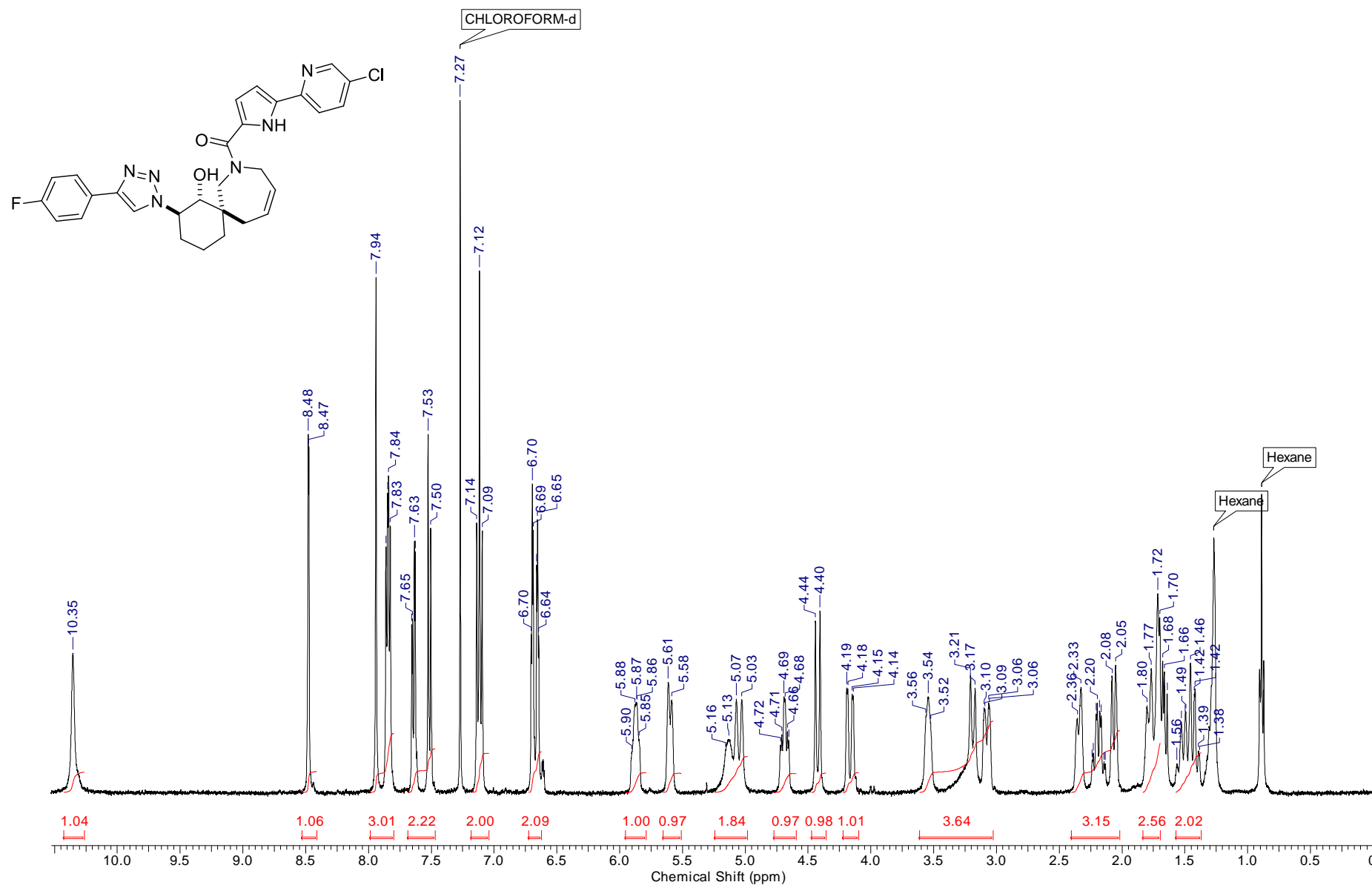
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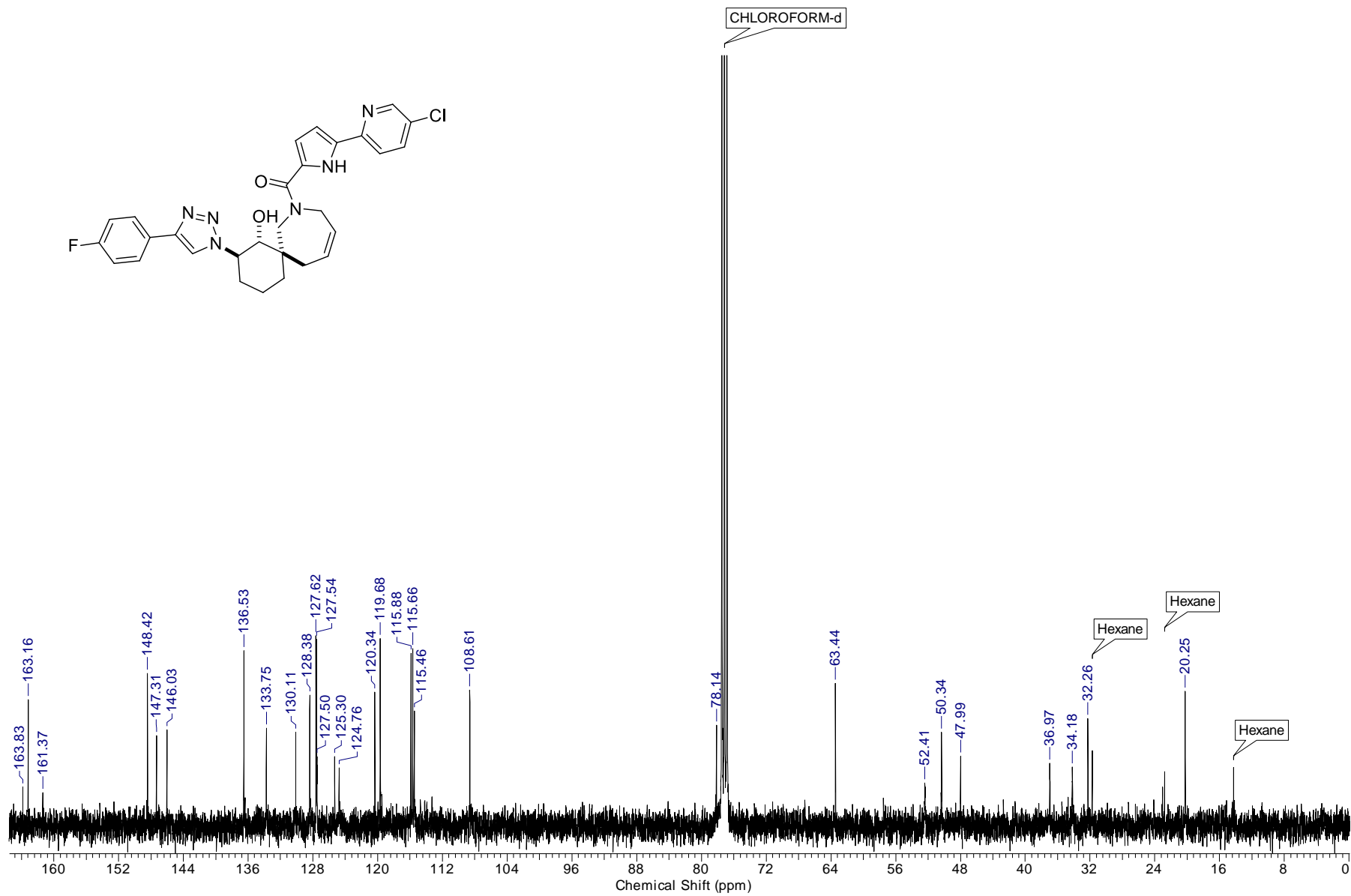
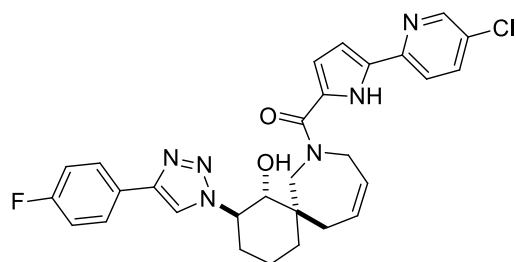
*Correspondence: Alexander V. Kurkin: kurkin@direction.chem.msu.ru; Tel.: (+7-495-939-22-88)

Spectral data of compound 8	S2-S6
Spectral data of compound 5-7, 9, 10	S7-S21

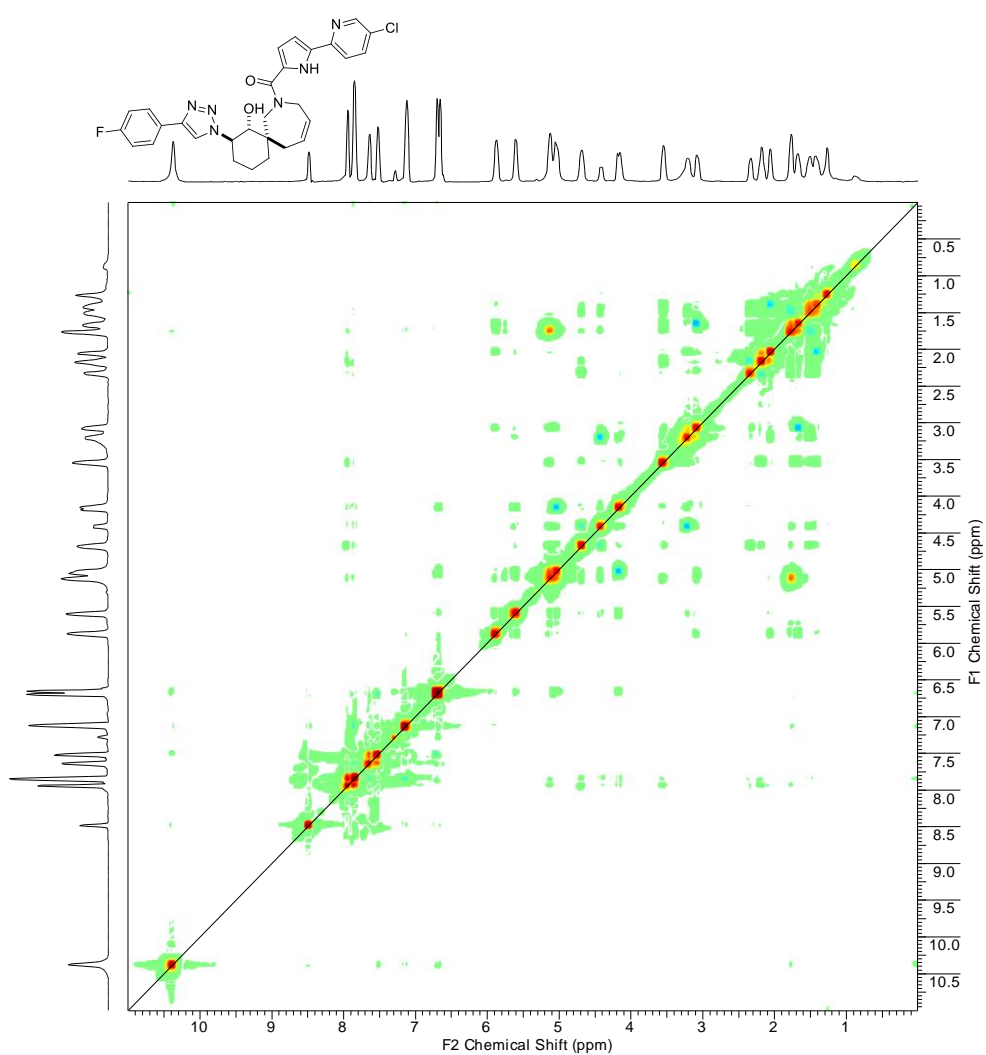
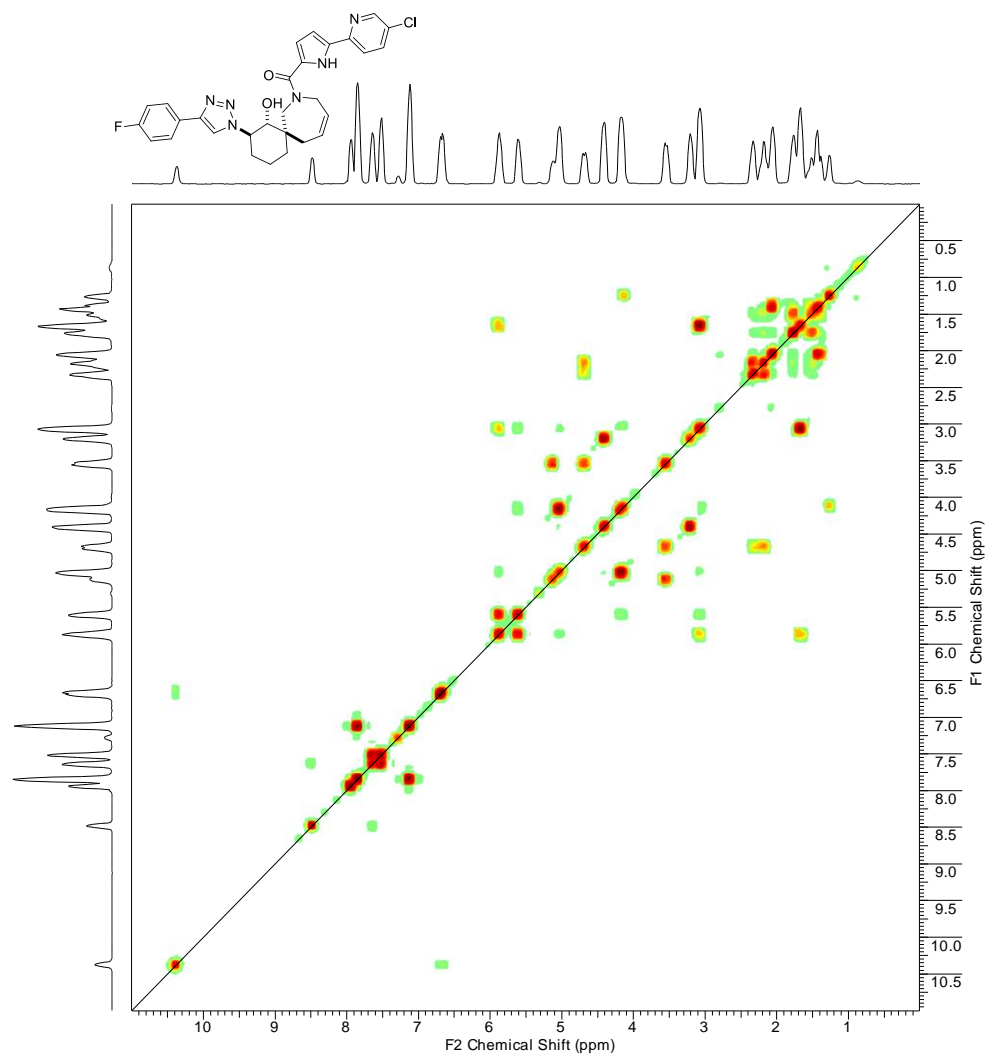
(5-(5-chloropyridin-2-yl)-1H-pyrrol-2-yl)((1R,2R,6R)-2-(4-(4-fluorophenyl)-1H-1,2,3-triazol-1-yl)-1-hydroxy-8-azaspiro[5.6]dodec-10-en-8-yl)methanone (8)



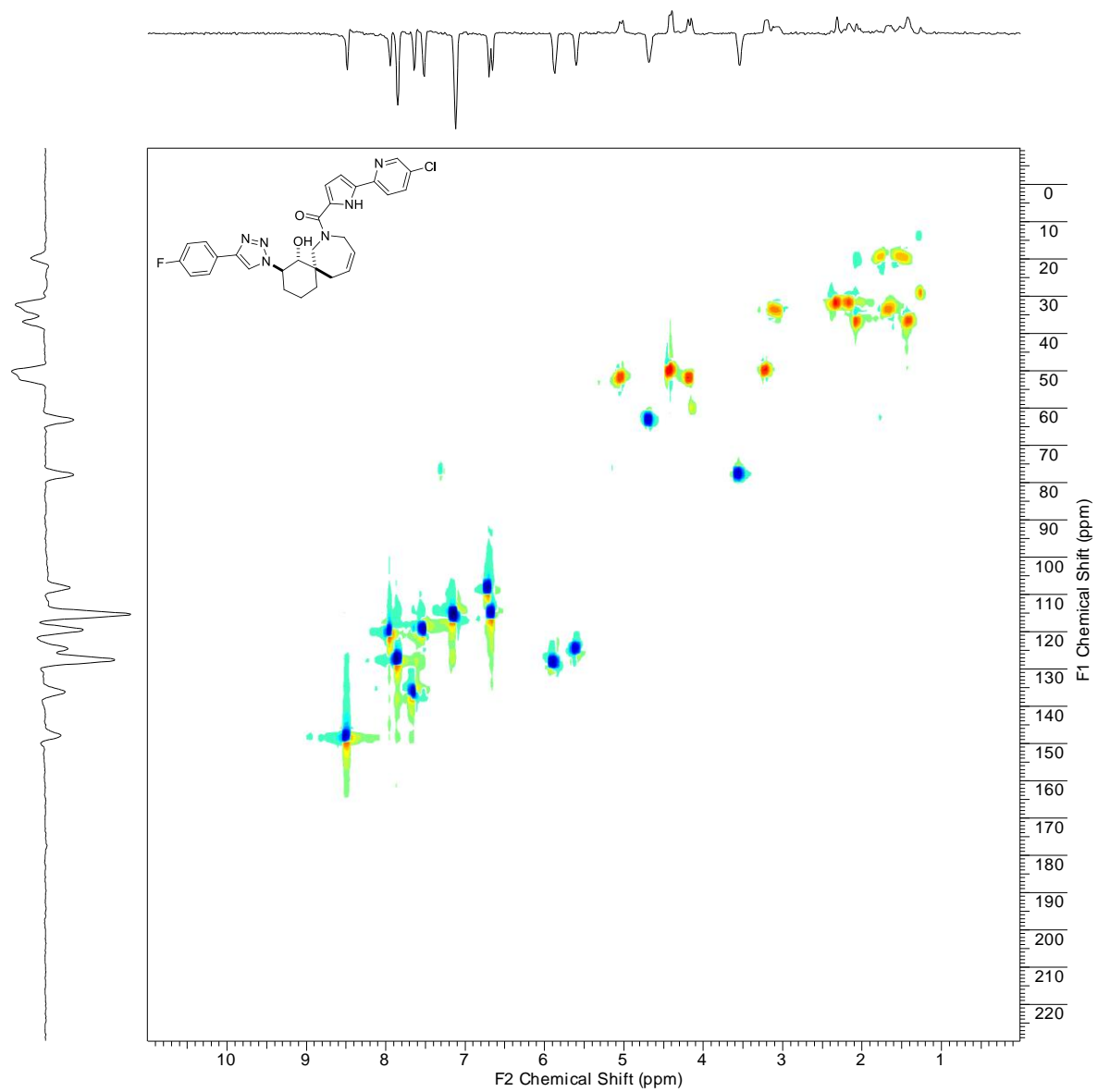
¹H NMR (400 MHz, CDCl₃) spectrum of 8



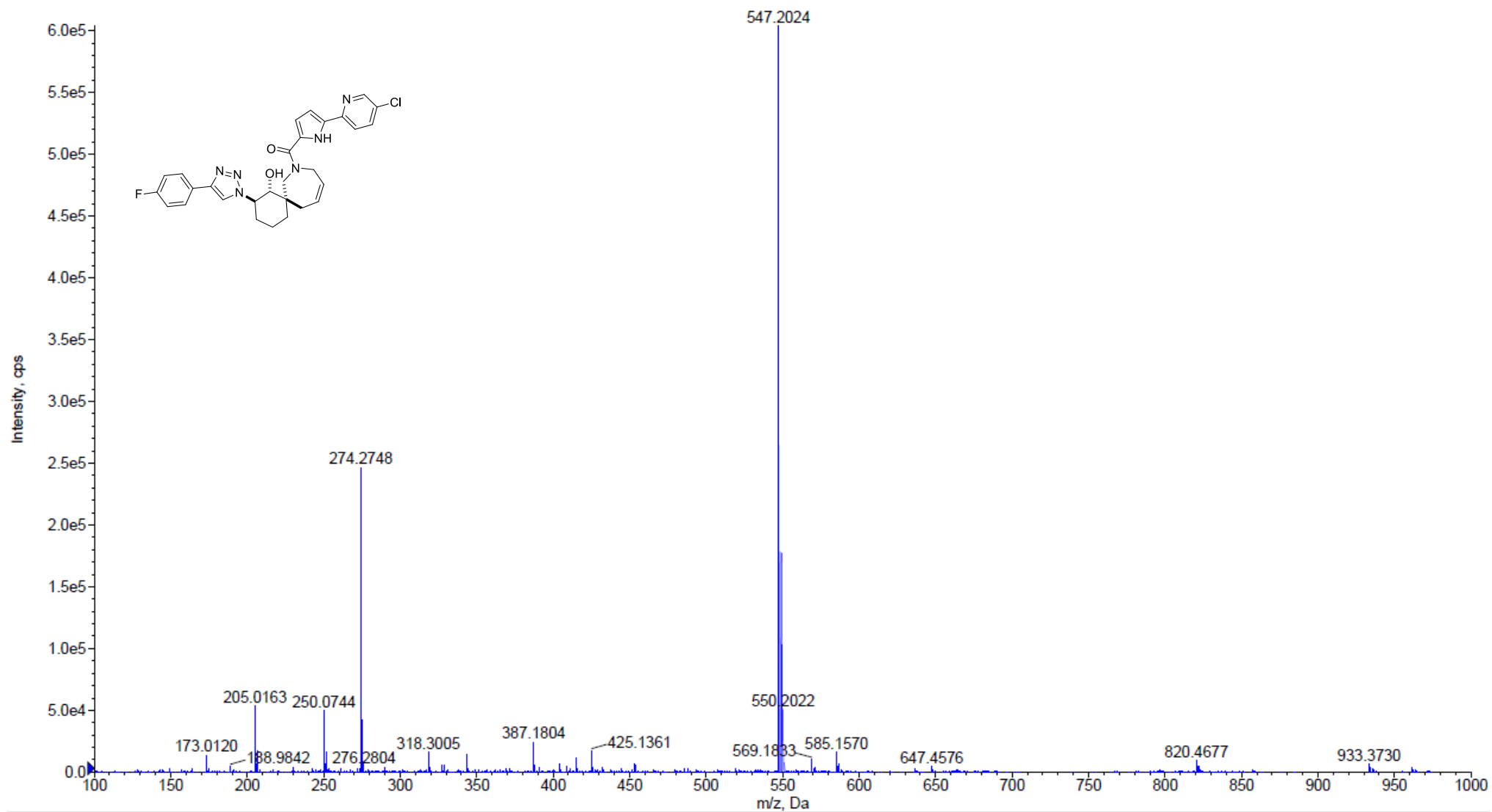
^{13}C NMR (100 MHz, CDCl_3) spectrum of 8



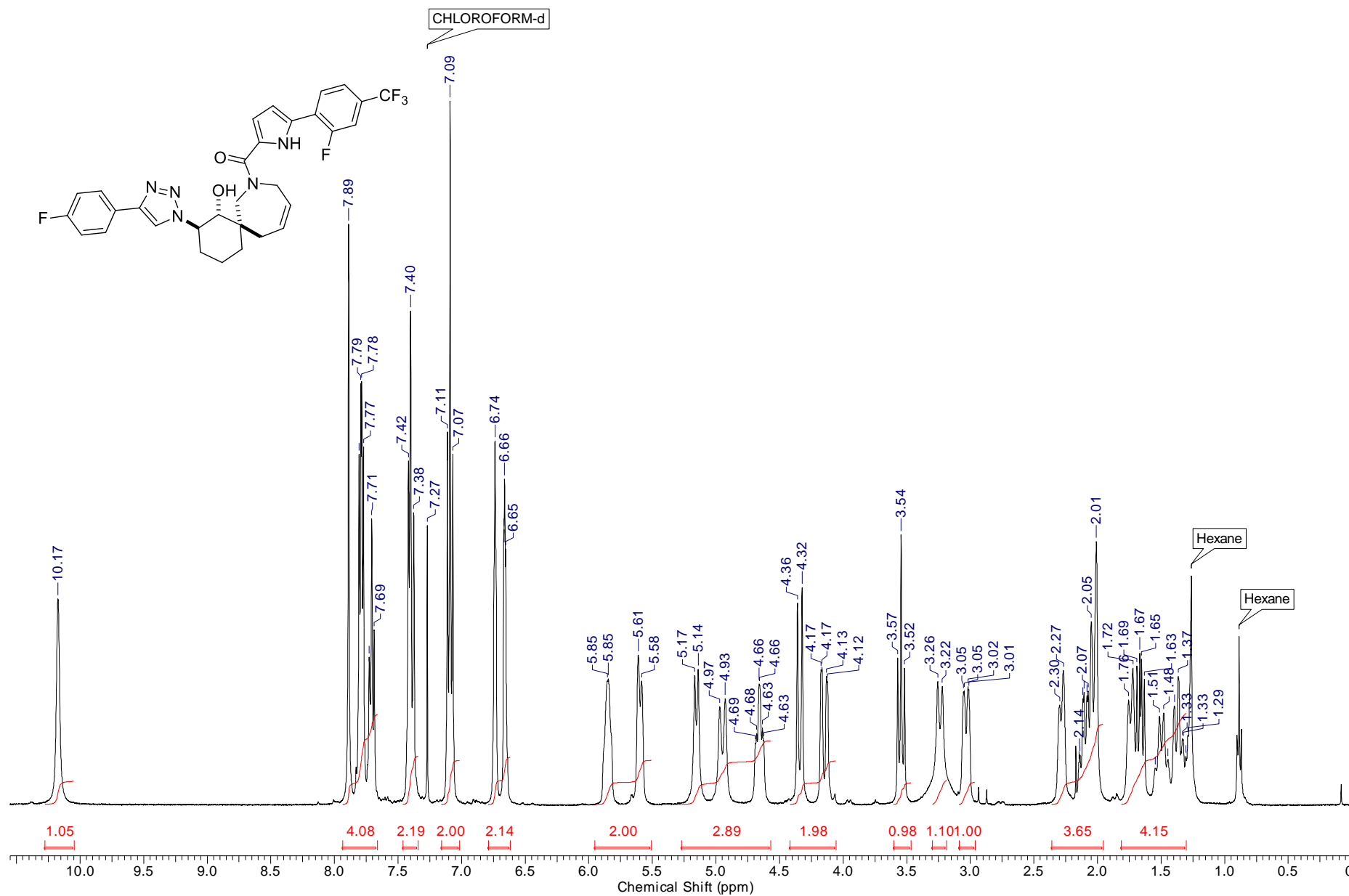
COSY and NOESY NMR (500 MHz, CDCl₃) spectra of 8



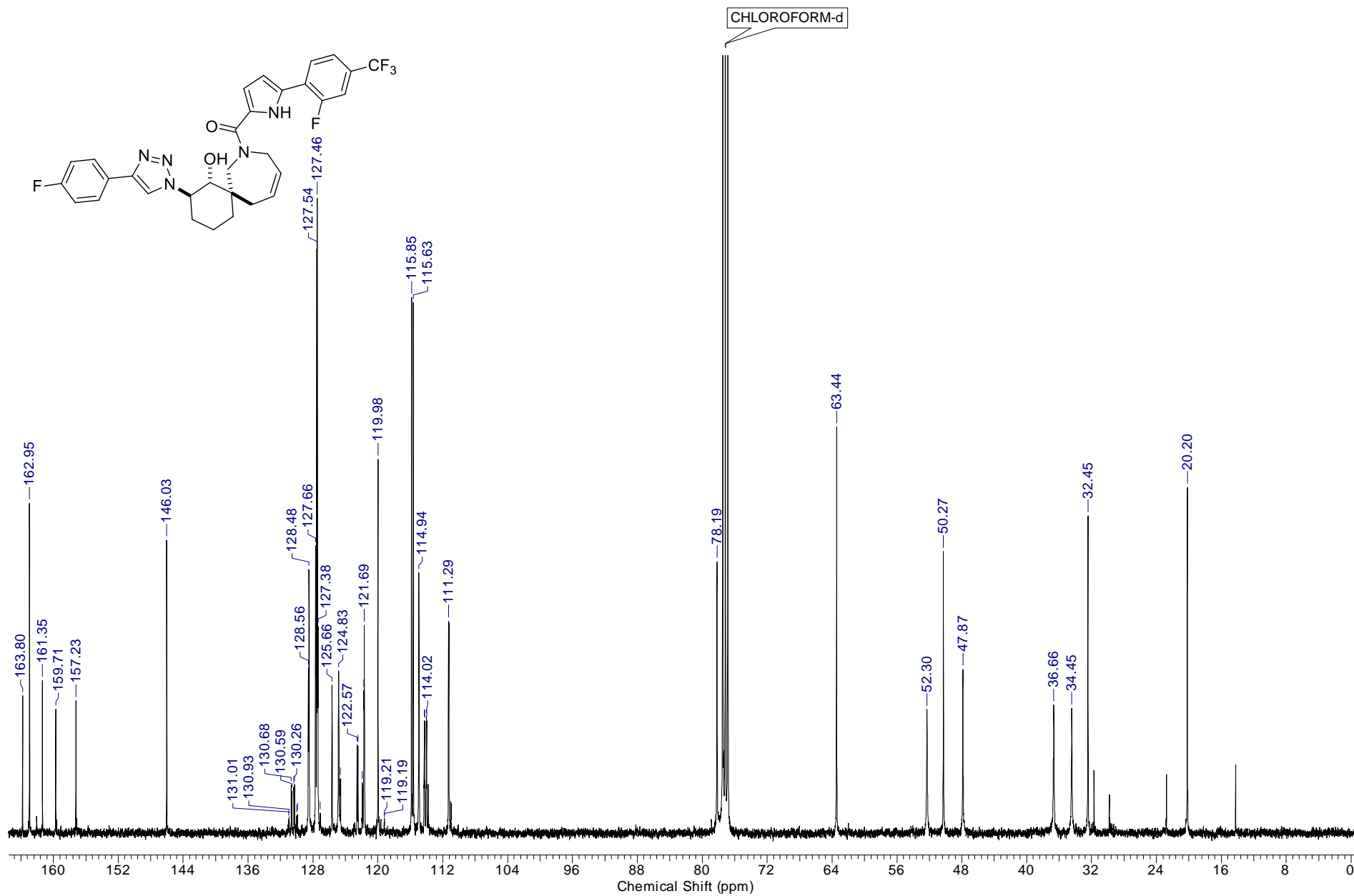
HSQC NMR (500 MHz, CDCl₃) spectra of 8



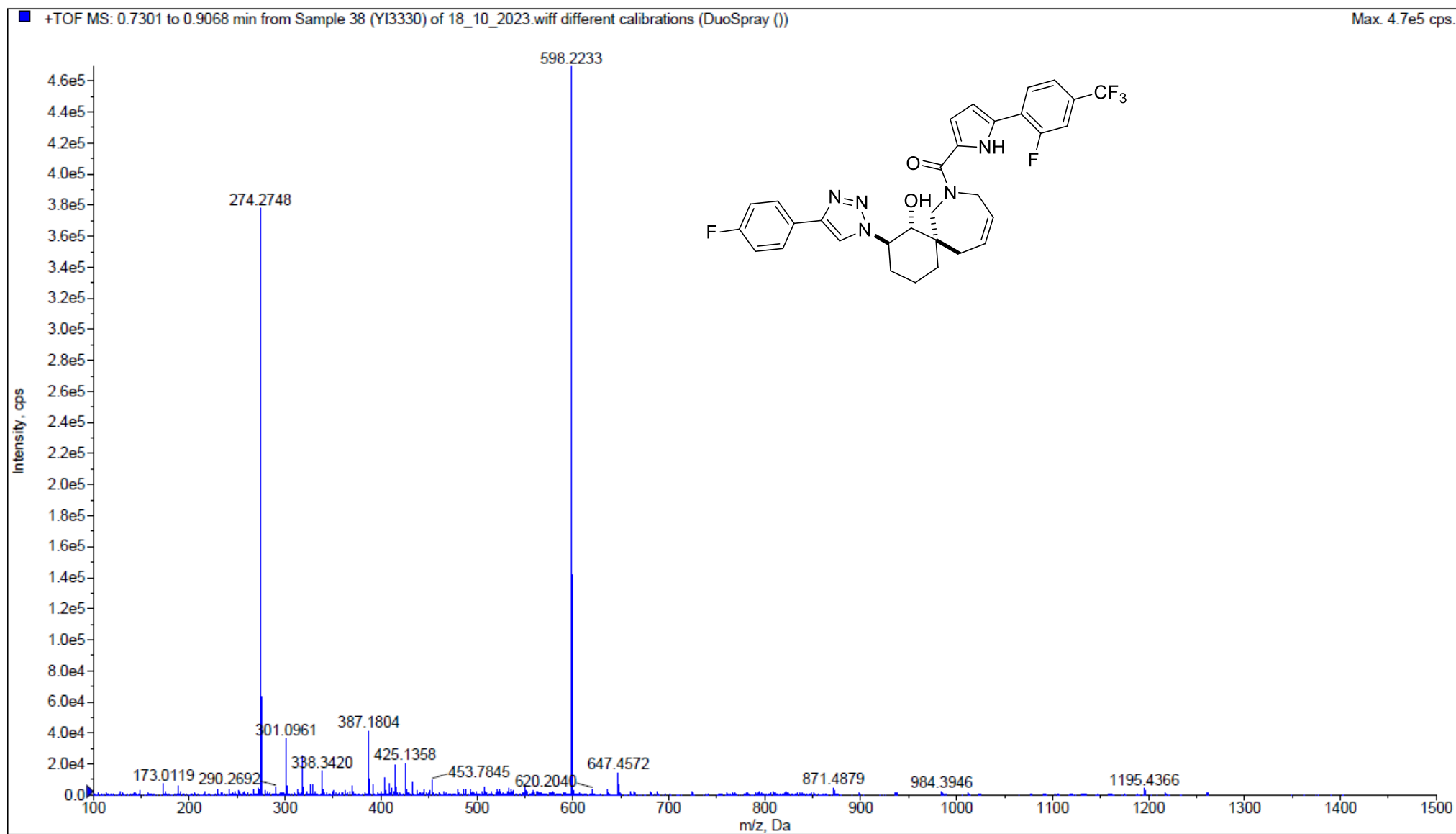
HRMS spectrum of 8



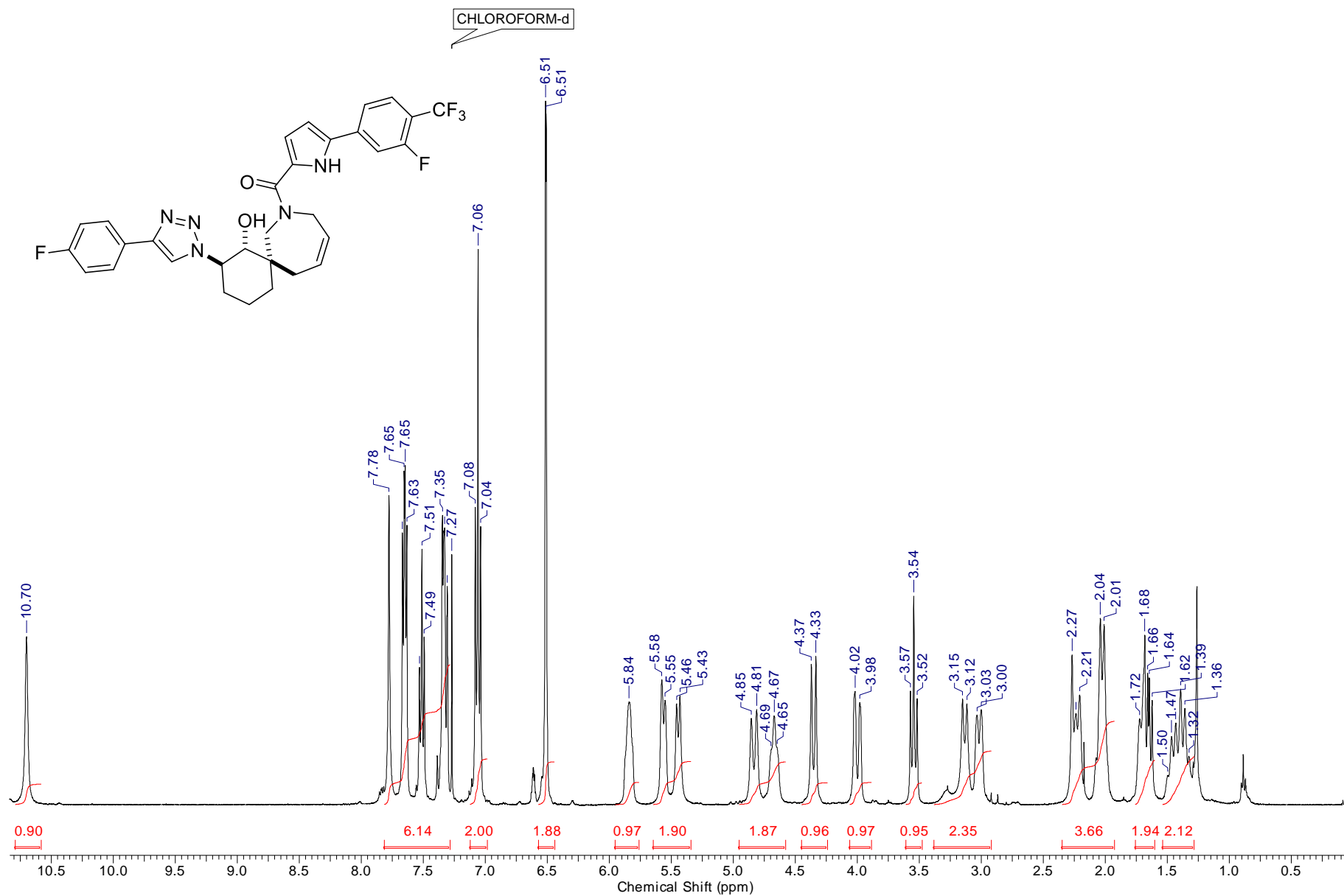
¹H NMR (400 MHz, CDCl₃) spectrum of 5



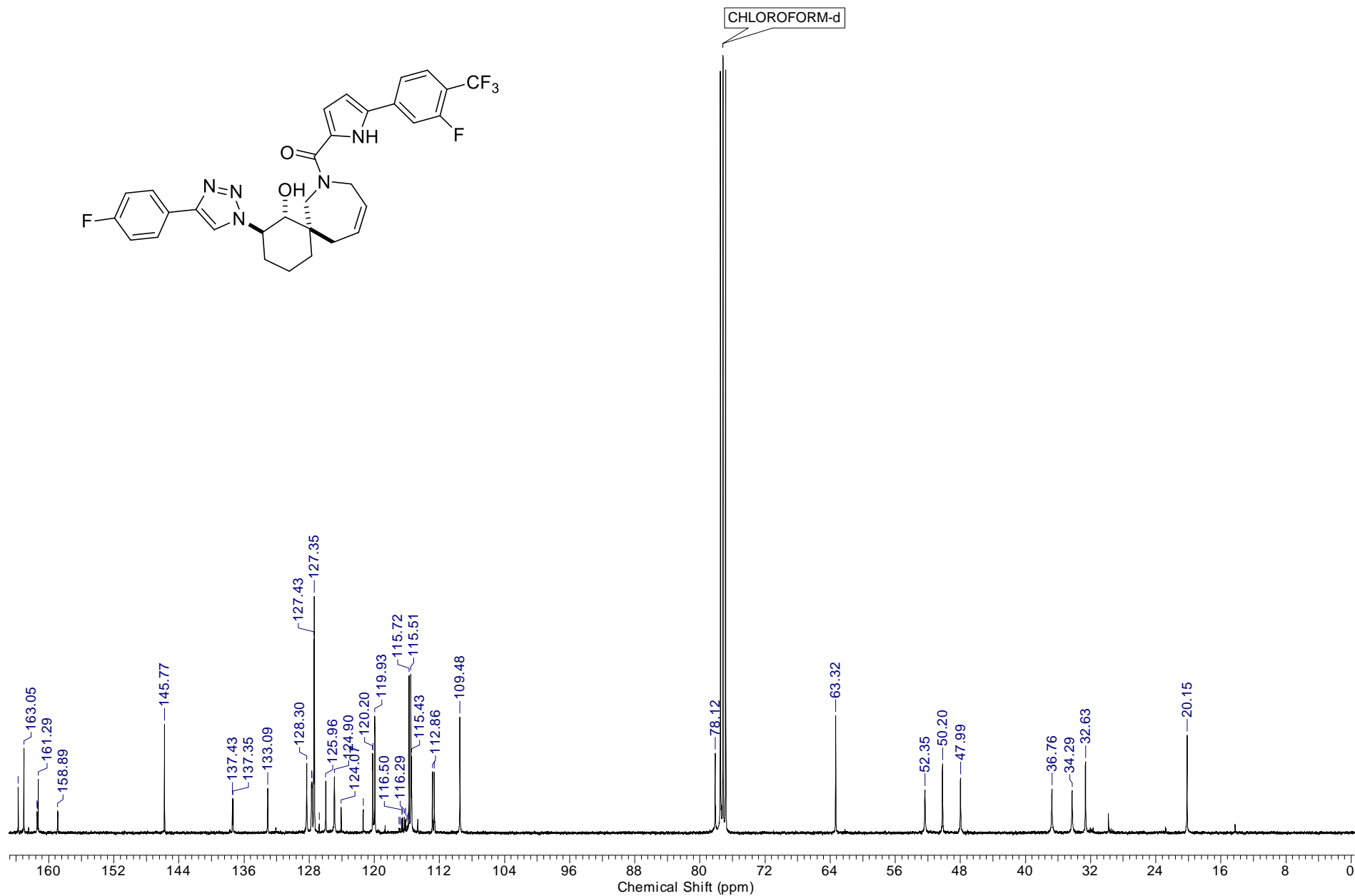
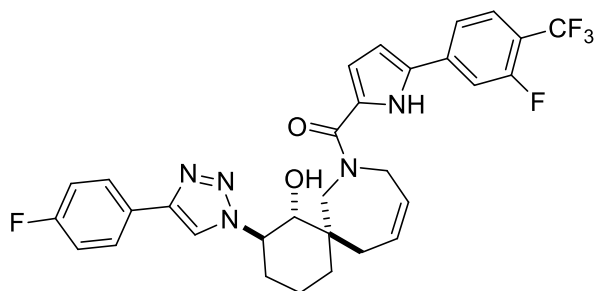
¹³C NMR (100 MHz, CDCl₃) spectrum of 5



HRMS spectrum of 5



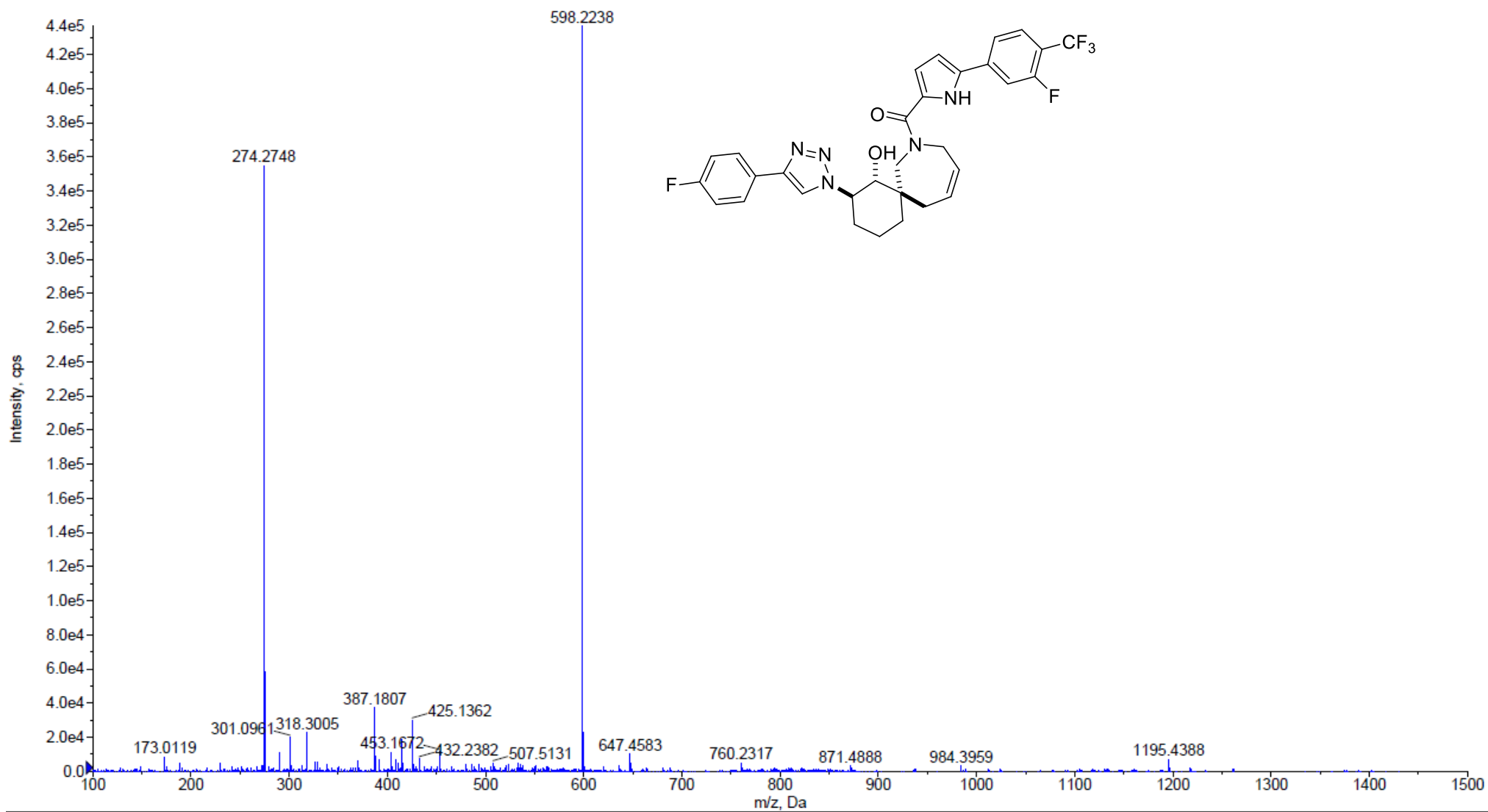
^1H NMR (400 MHz, CDCl_3) spectrum of 6



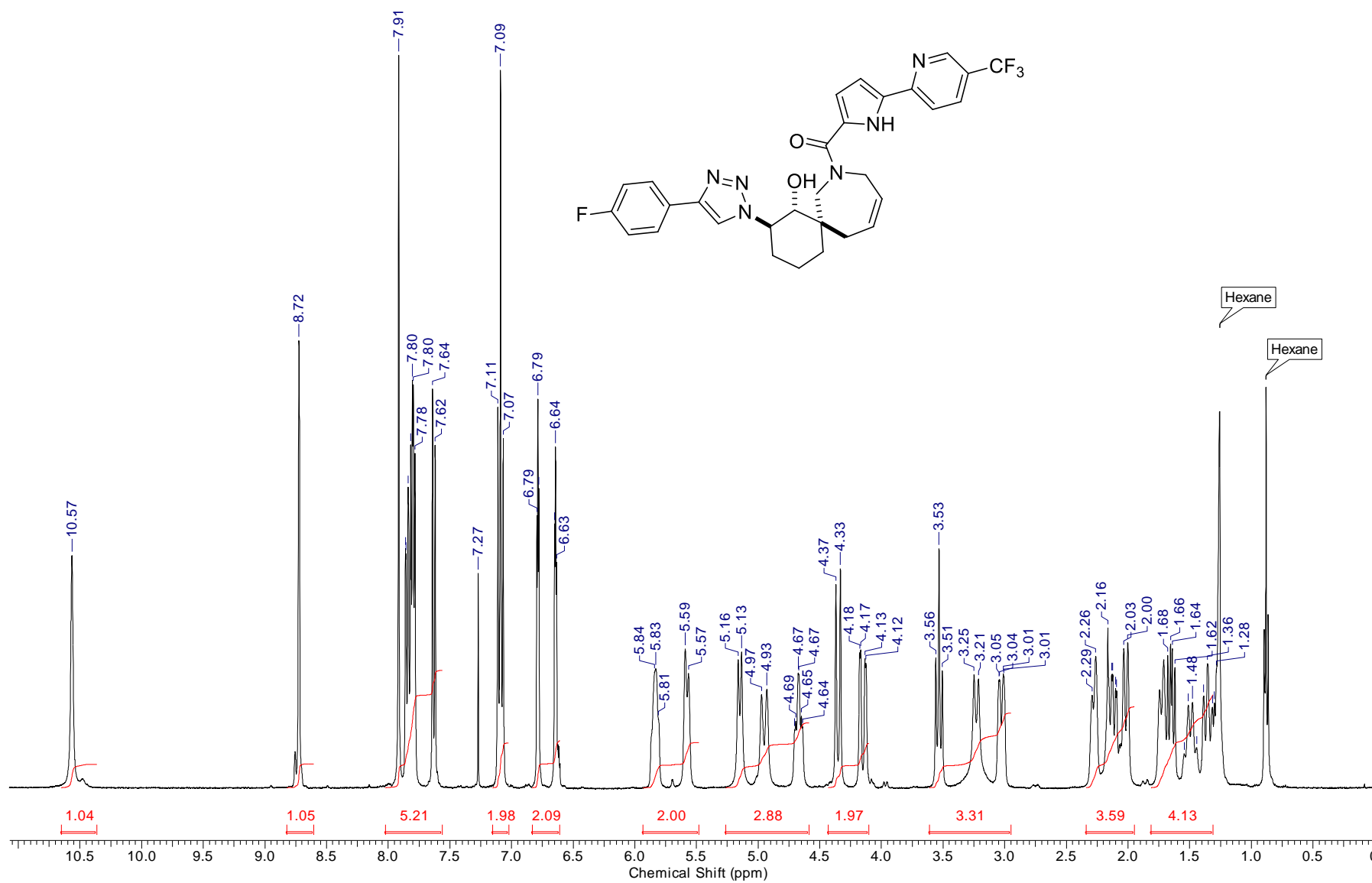
^{13}C NMR (100 MHz, CDCl_3) spectrum of **6**

■ +TOF MS: 0.8370 to 1.0509 min from Sample 39 (YI3331) of 18_10_2023.wiff different calibrations (DuoSpray ())

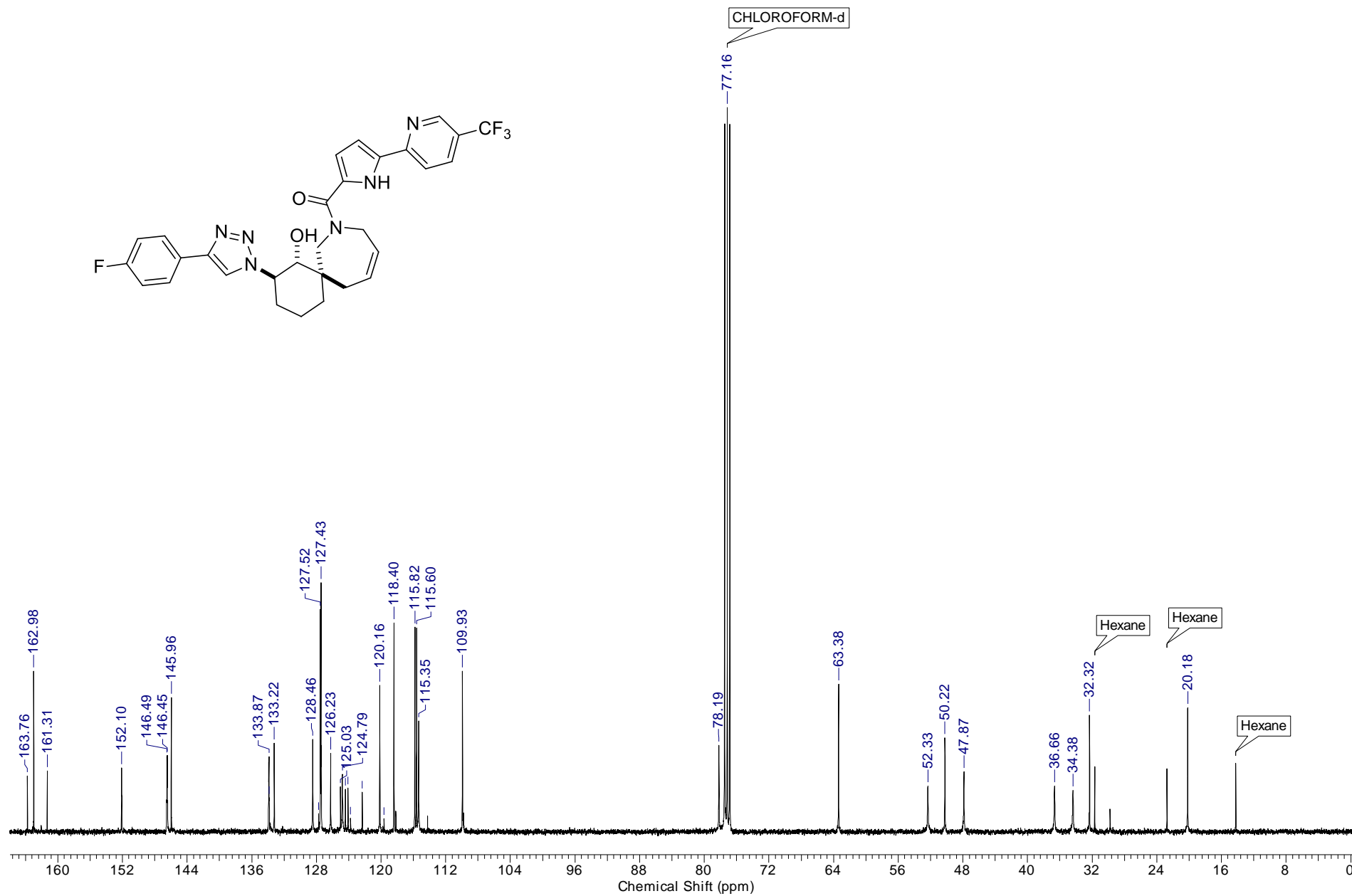
Max. 4.4e5 cps.



HRMS spectrum of 6



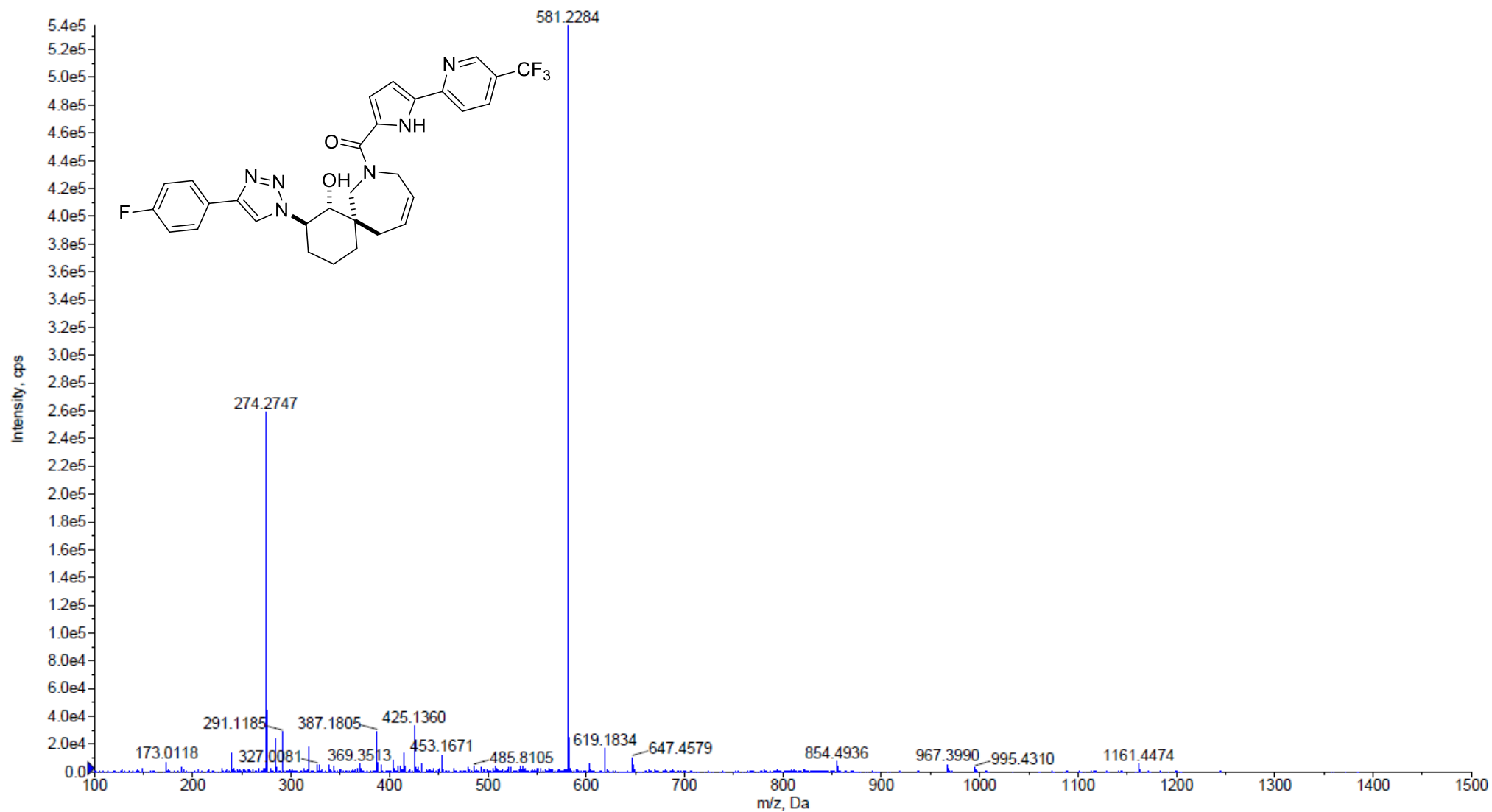
¹H NMR (400 MHz, CDCl₃) spectrum of 7



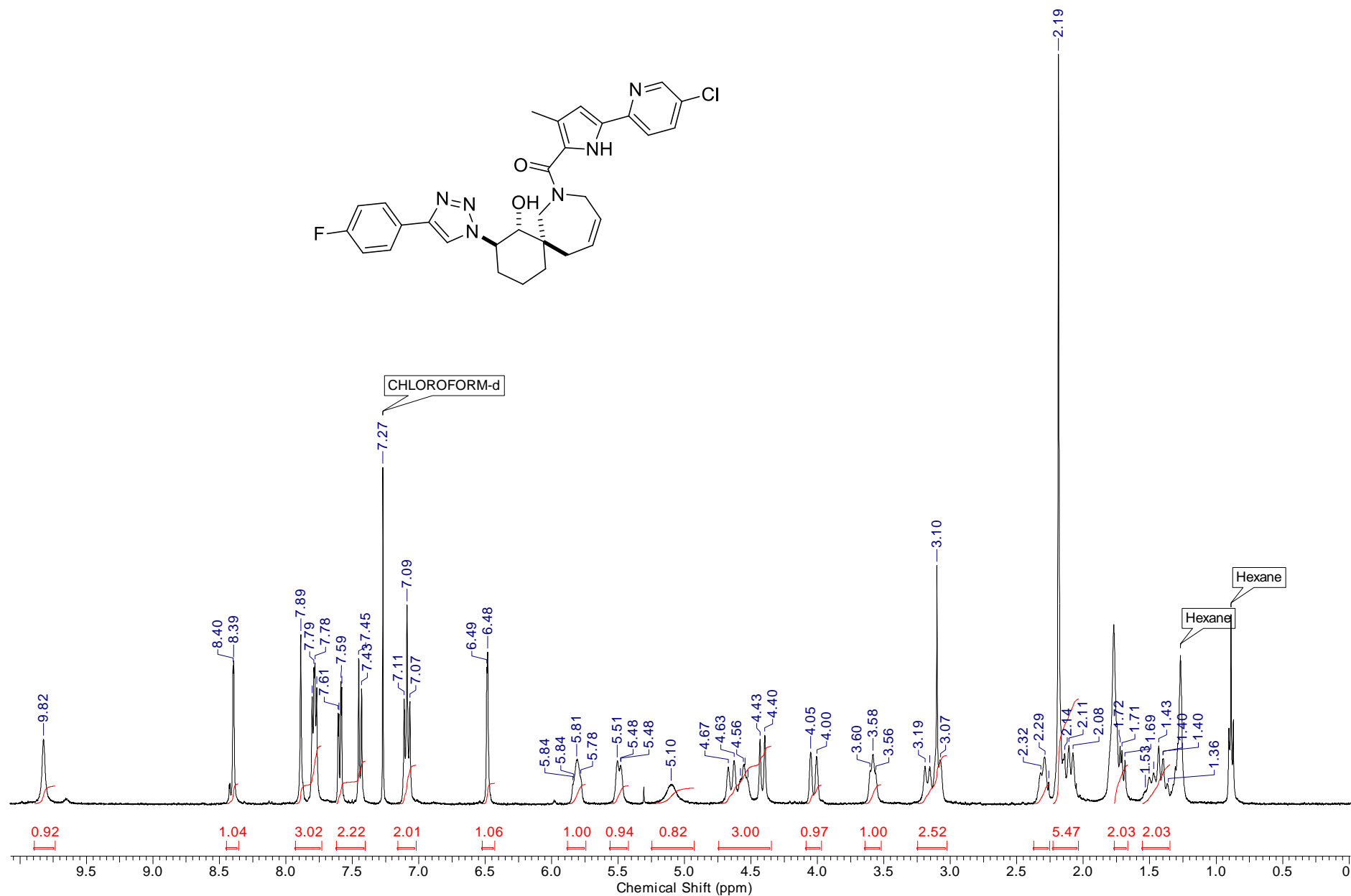
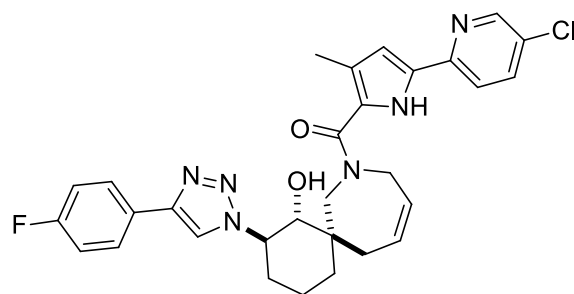
^{13}C NMR (100 MHz, CDCl_3) spectrum of **7**

■ +TOF MS: 0.7487 to 0.9951 min from Sample 37 (YI3332) of 18_10_2023.wiff different calibrations (DuoSpray ())

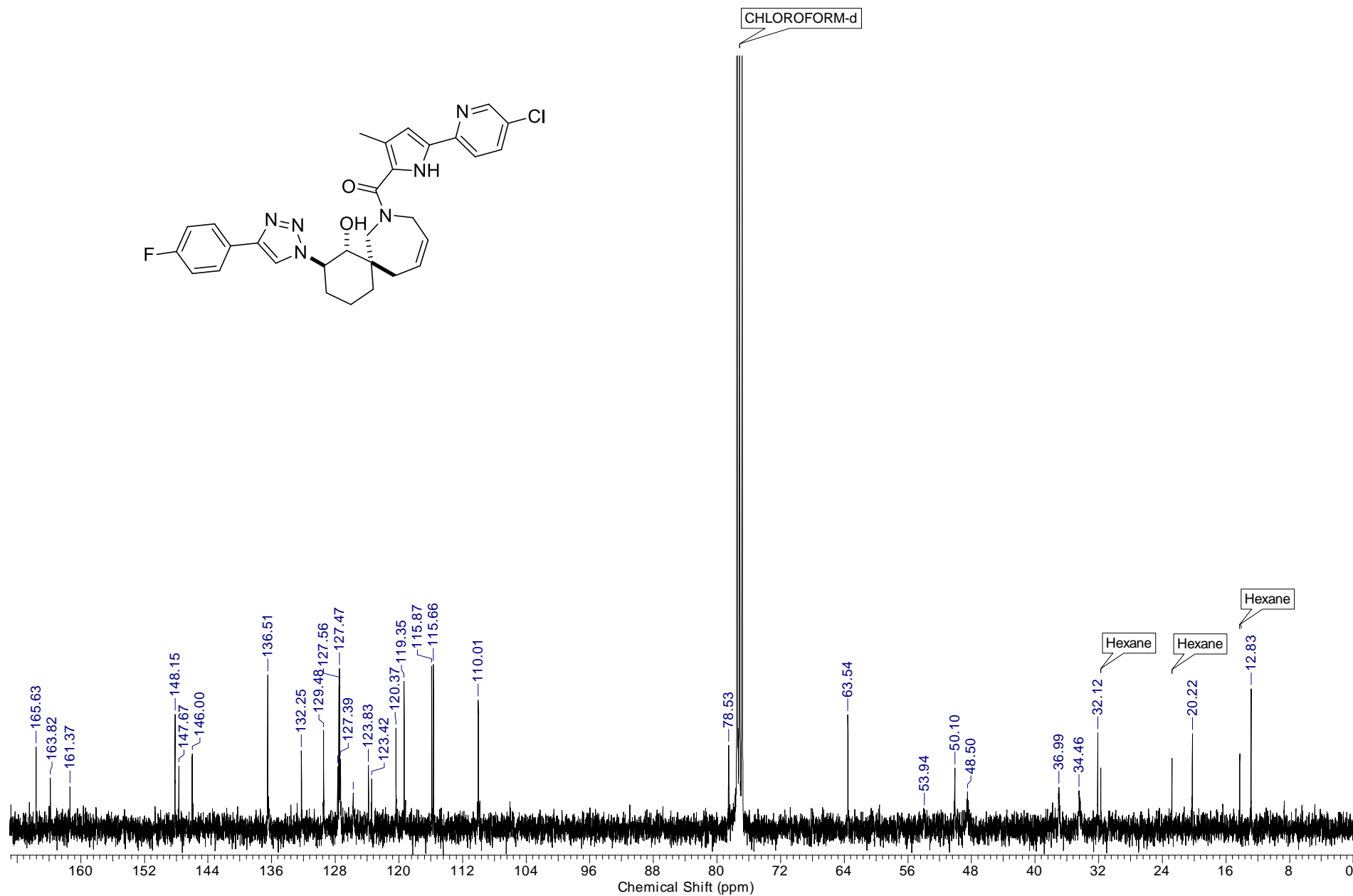
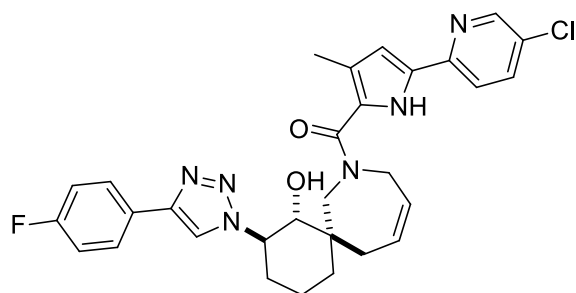
Max. 5.4e5 cps.



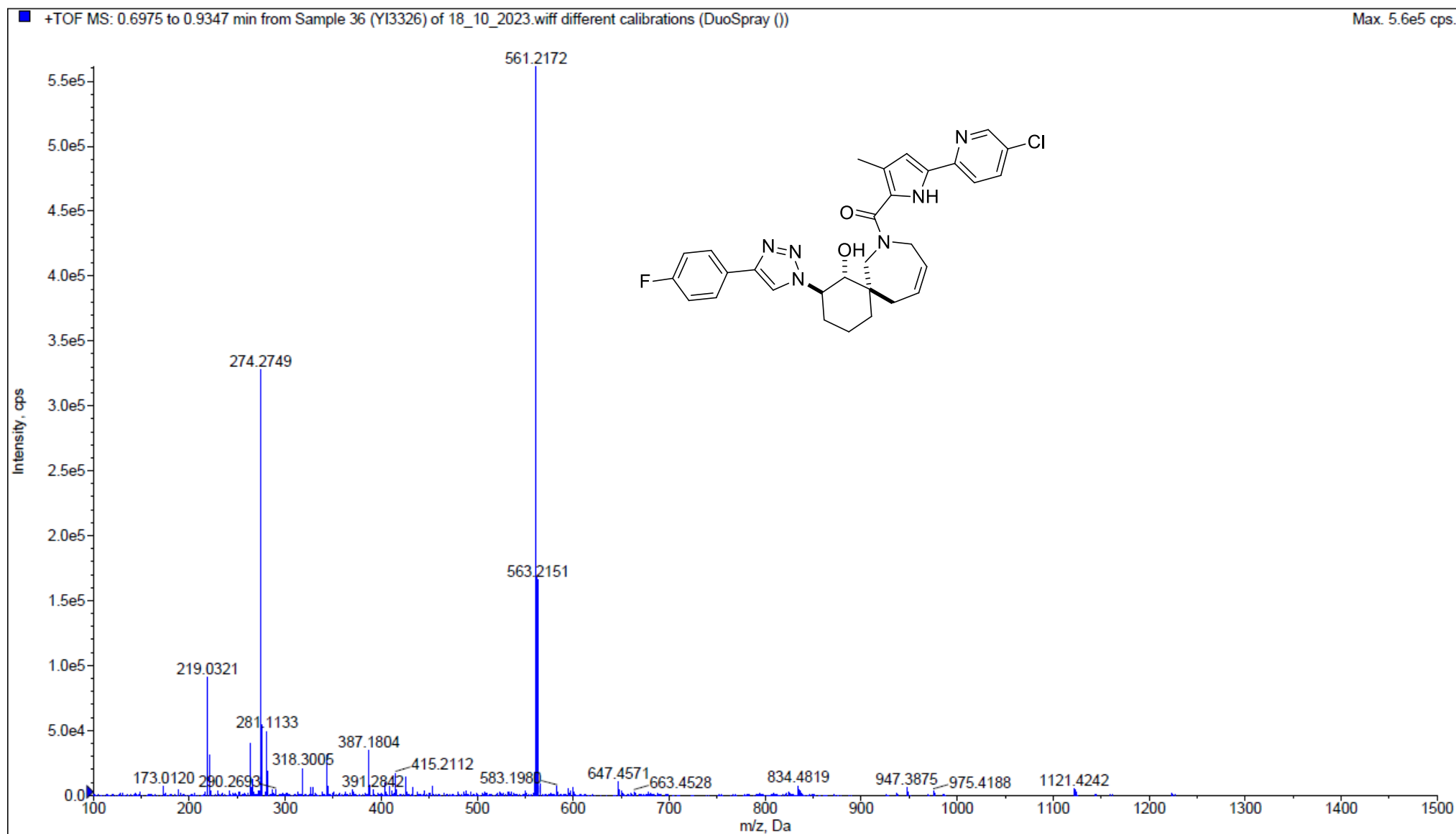
HRMS spectrum of 7



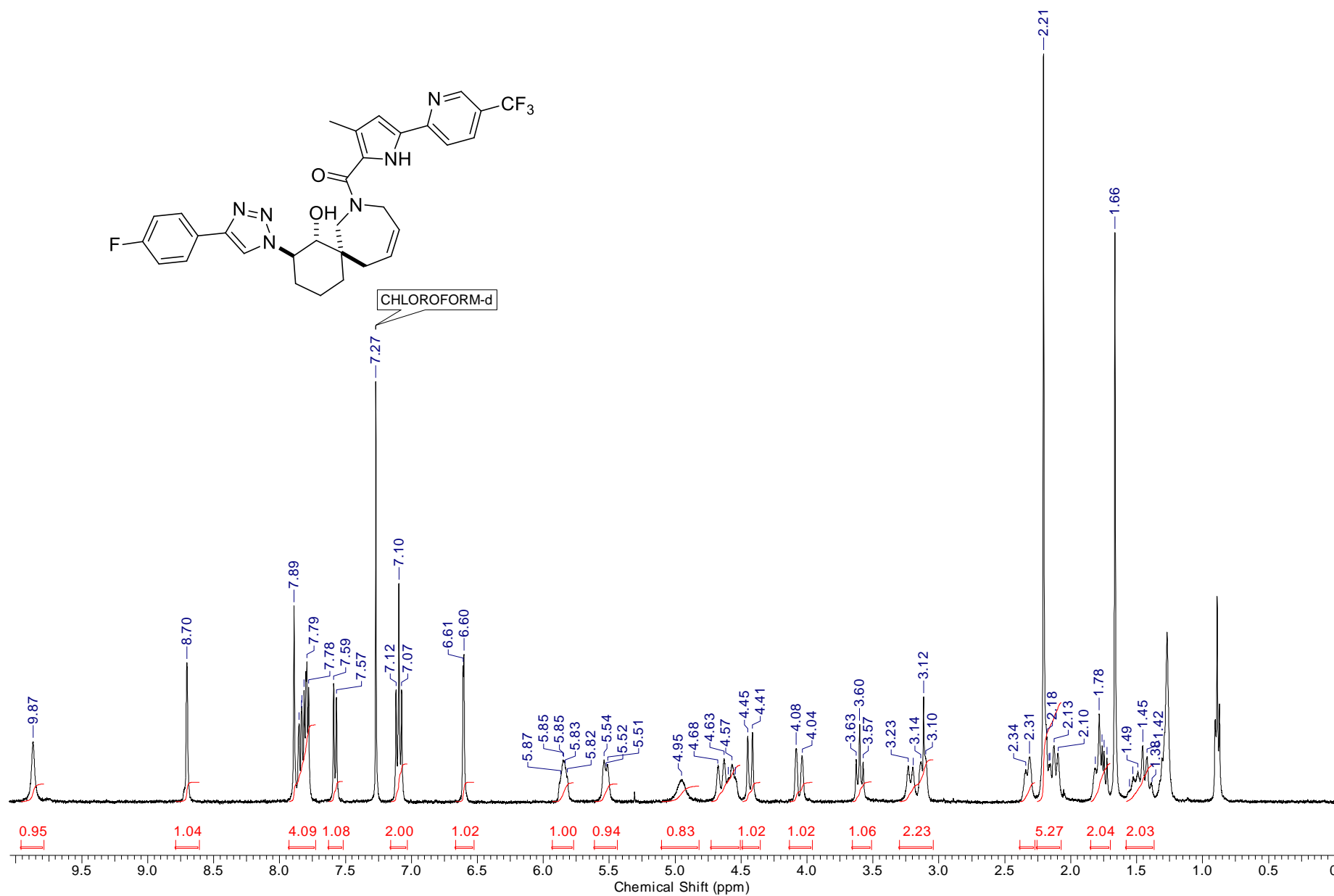
^1H NMR (400 MHz, CDCl_3) spectrum of **9**



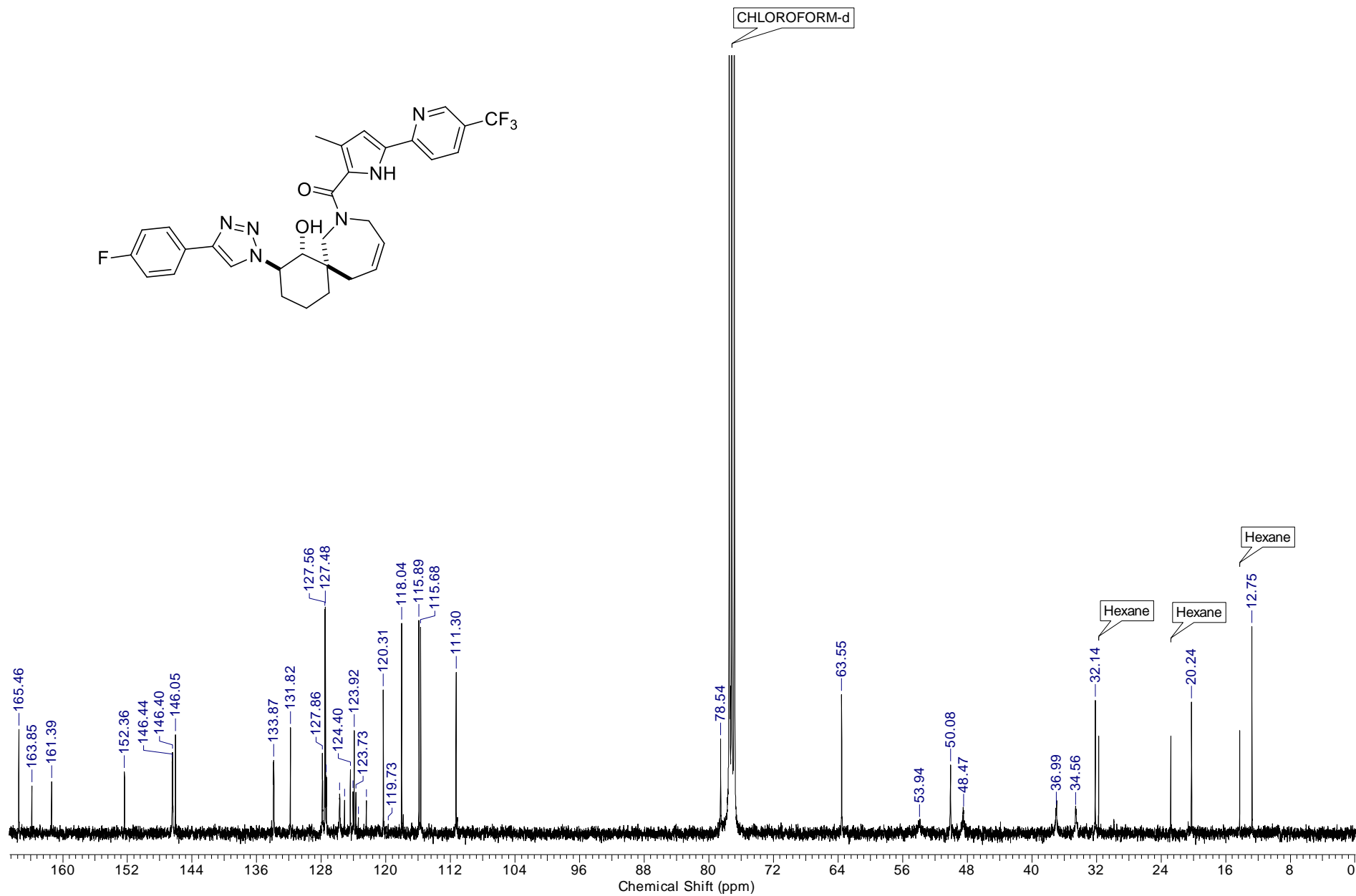
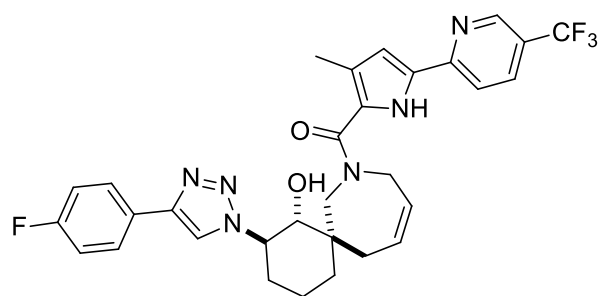
¹³C NMR (100 MHz, CDCl₃) spectrum of 9



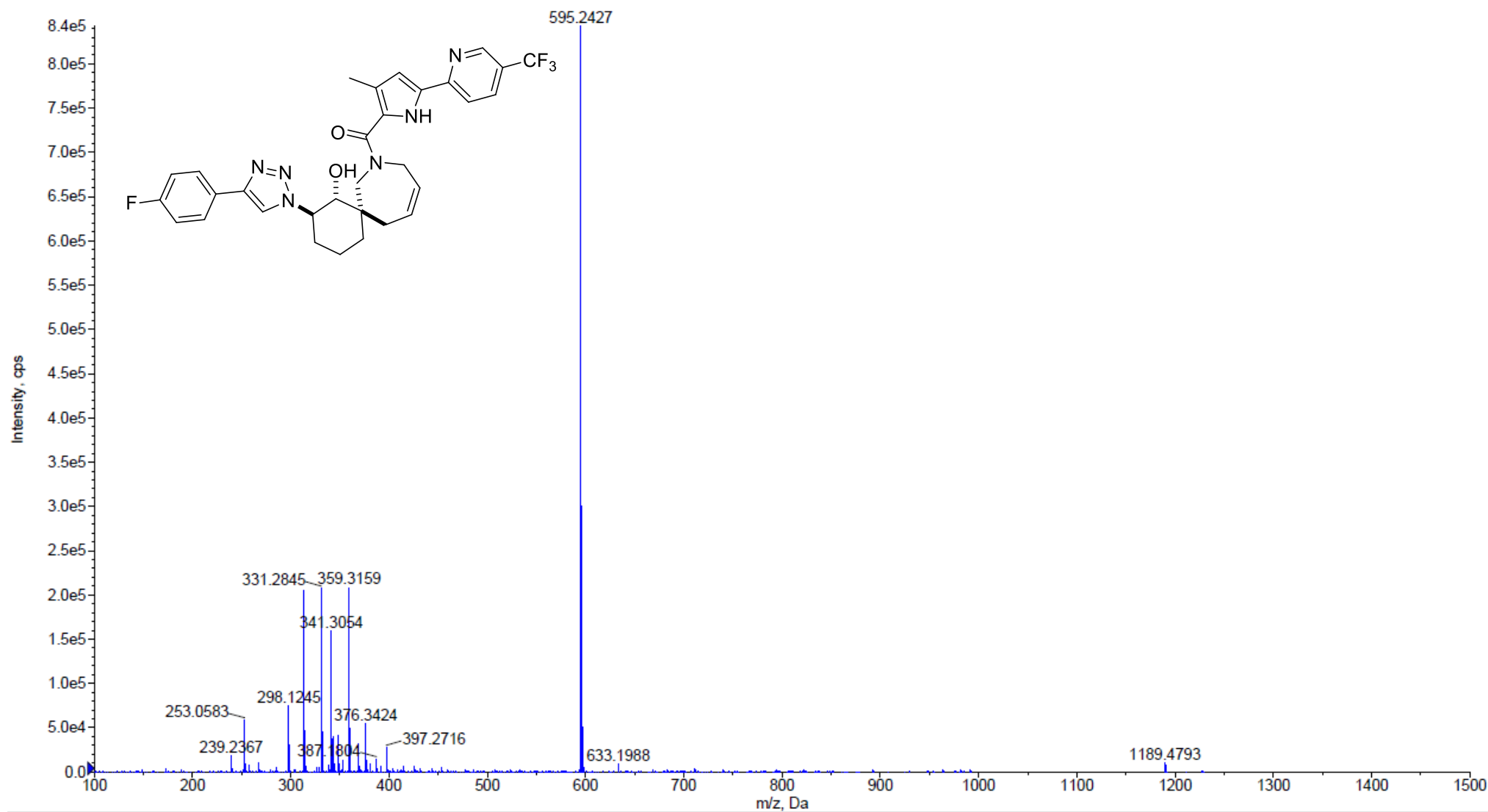
HRMS spectrum of 9



^1H NMR (400 MHz, CDCl_3) spectrum of 10



^{13}C NMR (100 MHz, CDCl_3) spectrum of 10



HRMS spectrum of 10