

Measuring methods available and examples of their applications

2D HMQC (Heteronuclear Multiple-Quantum Correlation)

Heteronuclear multiple-quantum correlation spectroscopy (HMQC) gives a spectrum similar to HSQC, but using a different method. The two methods give results of similar quality for small to medium-sized molecules, but HSQC is considered to be superior for larger molecules.

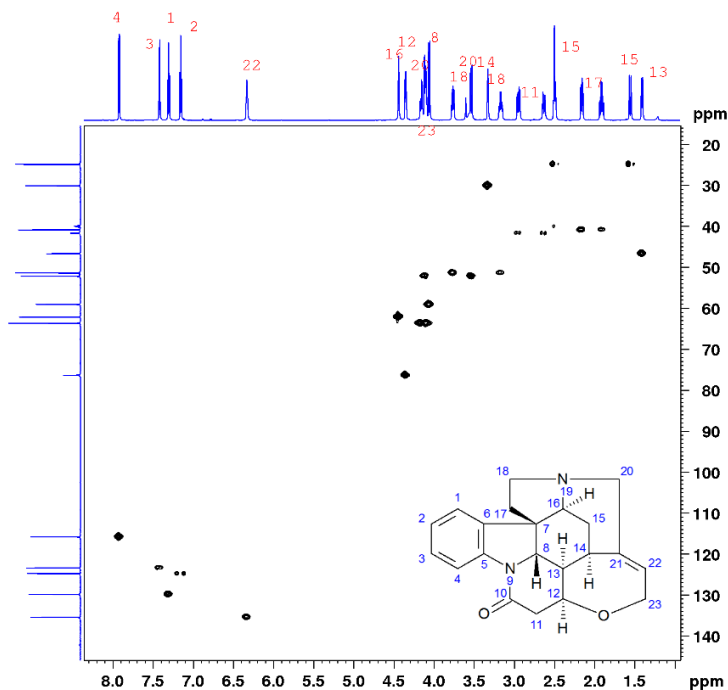


Fig. 1. Strychnine in DMSO- D_6 , ^1H , ^{13}C -HMQC, magnitude mode. Spectrometer: AVANCE III HD 700, Probehead: 5 mm Inverse Broadband with z-Gradients, Experiment time: 12 min.