

C8953
NMR structural analysis
seminar
1H-1H correlations

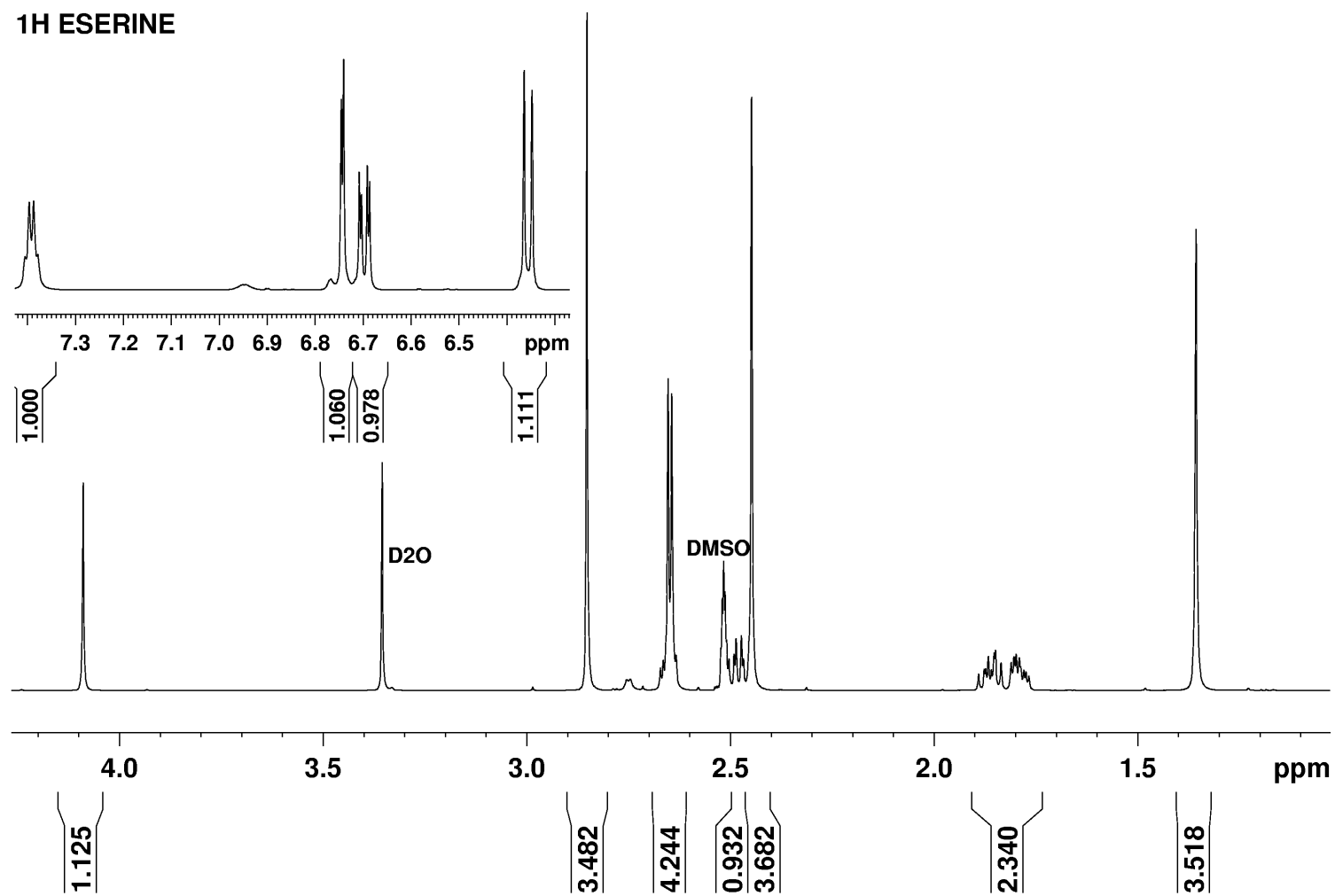
Jan Novotný
176003@mail.muni.cz

March 30, 2016

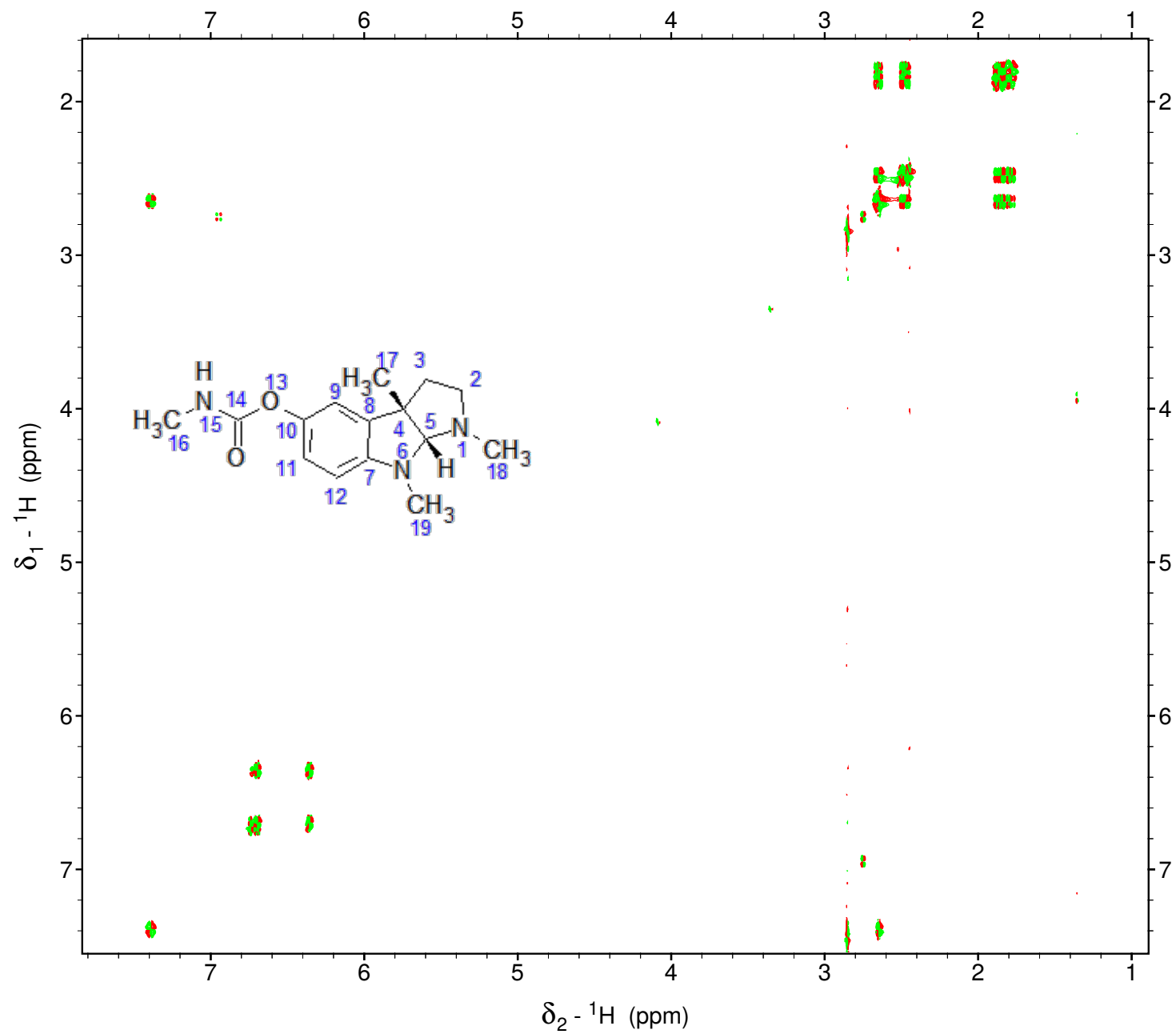
Overview of basic homonuclear 2D experiments

- ▶ COSY, DQF-COSY
- ▶ TOCSY
- ▶ NOESY
- ▶ ROESY

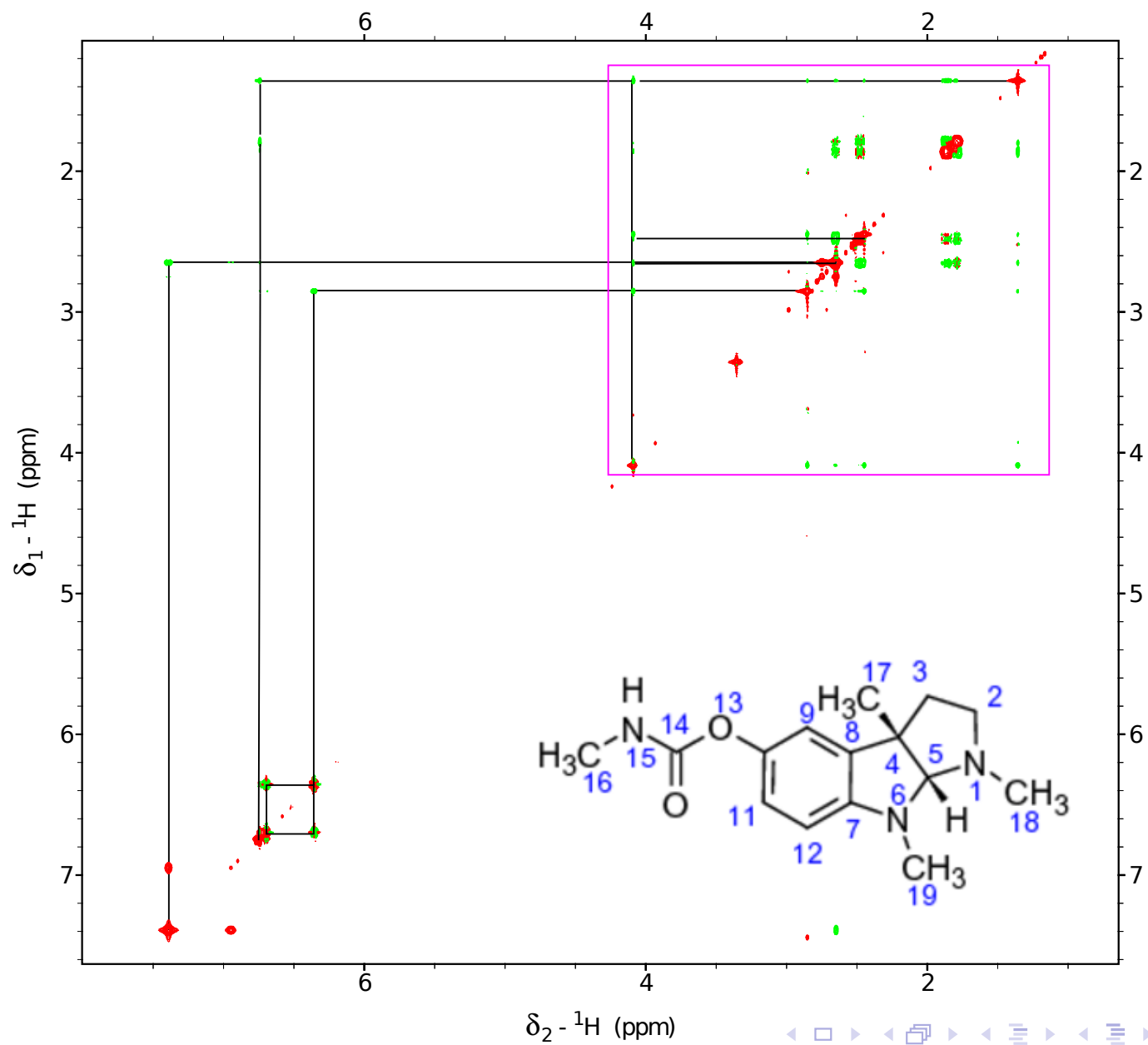
Eserine 1D-¹H



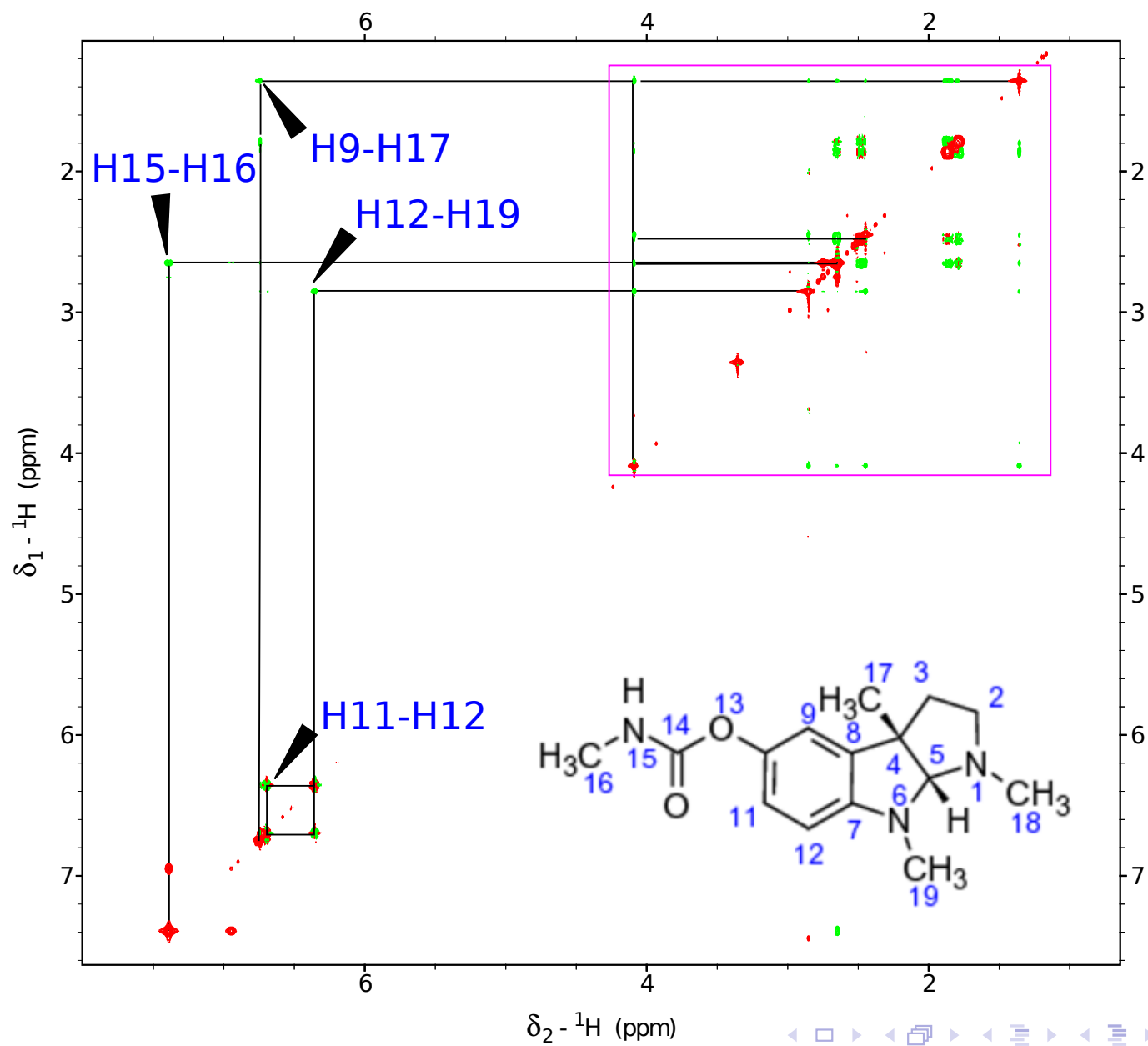
Eserine - DQF-COSY



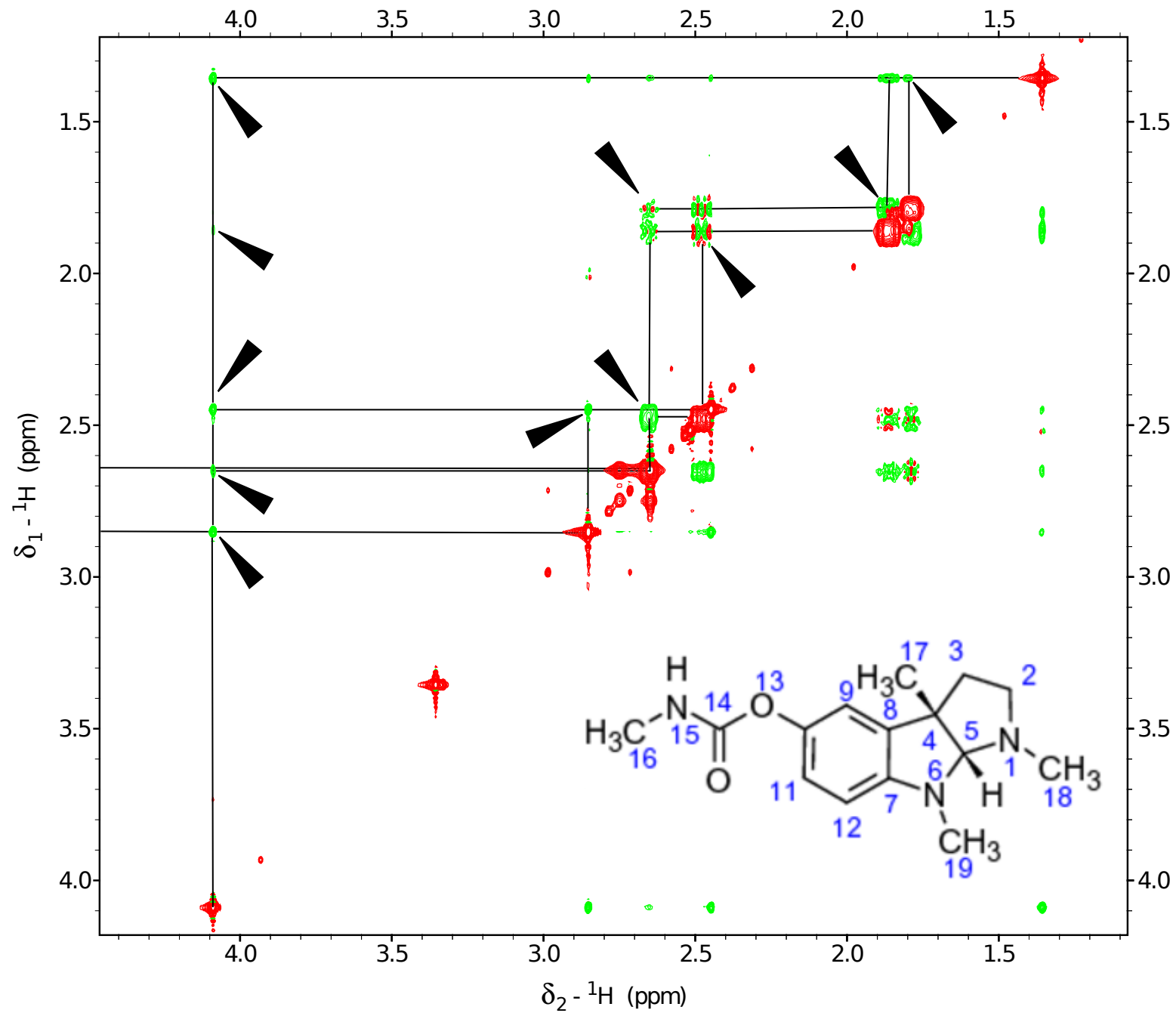
Eserine - NOESY



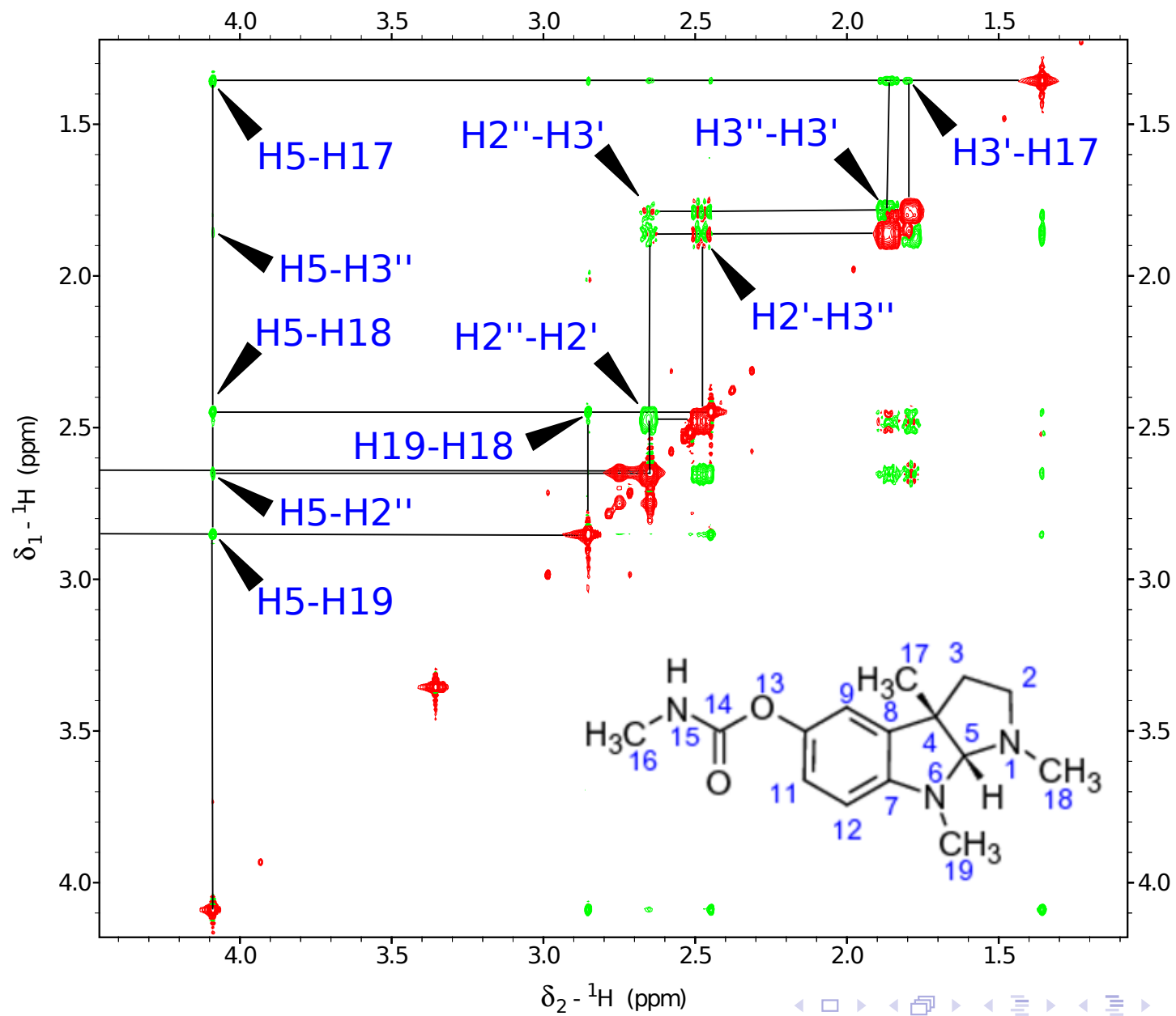
Eserine - NOESY



Eserine - NOESY

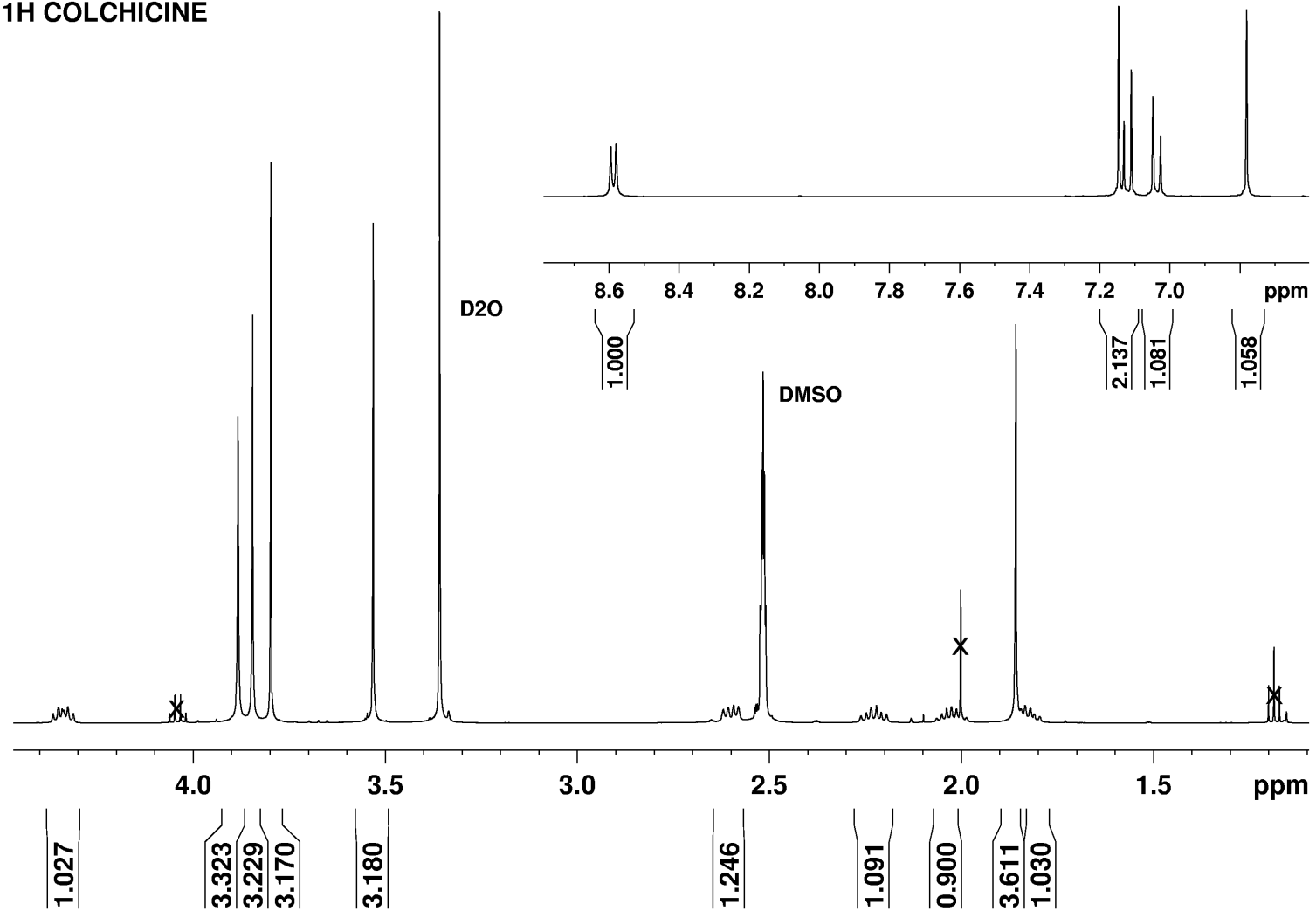


Eserine - NOESY

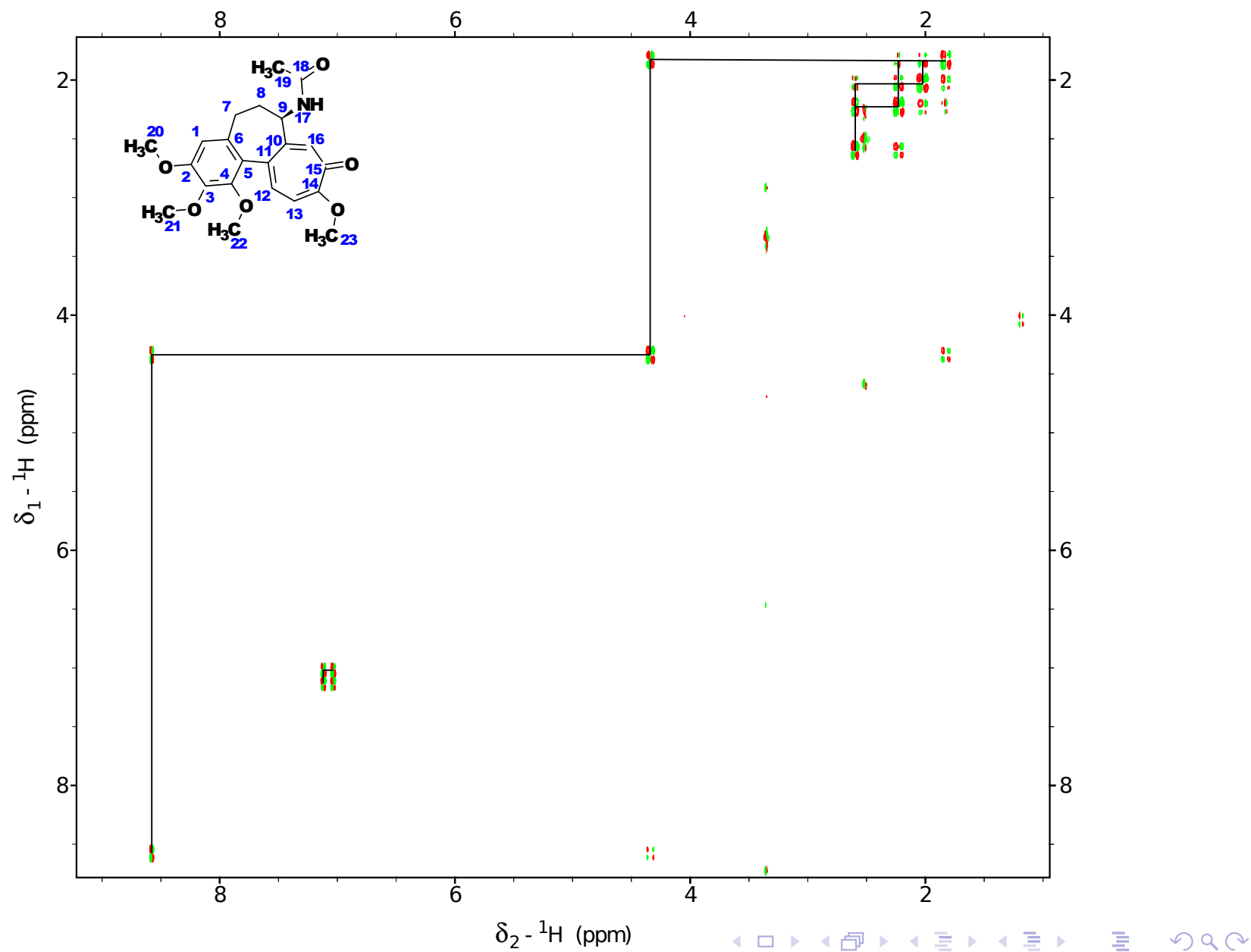


Colchicine 1D-¹H

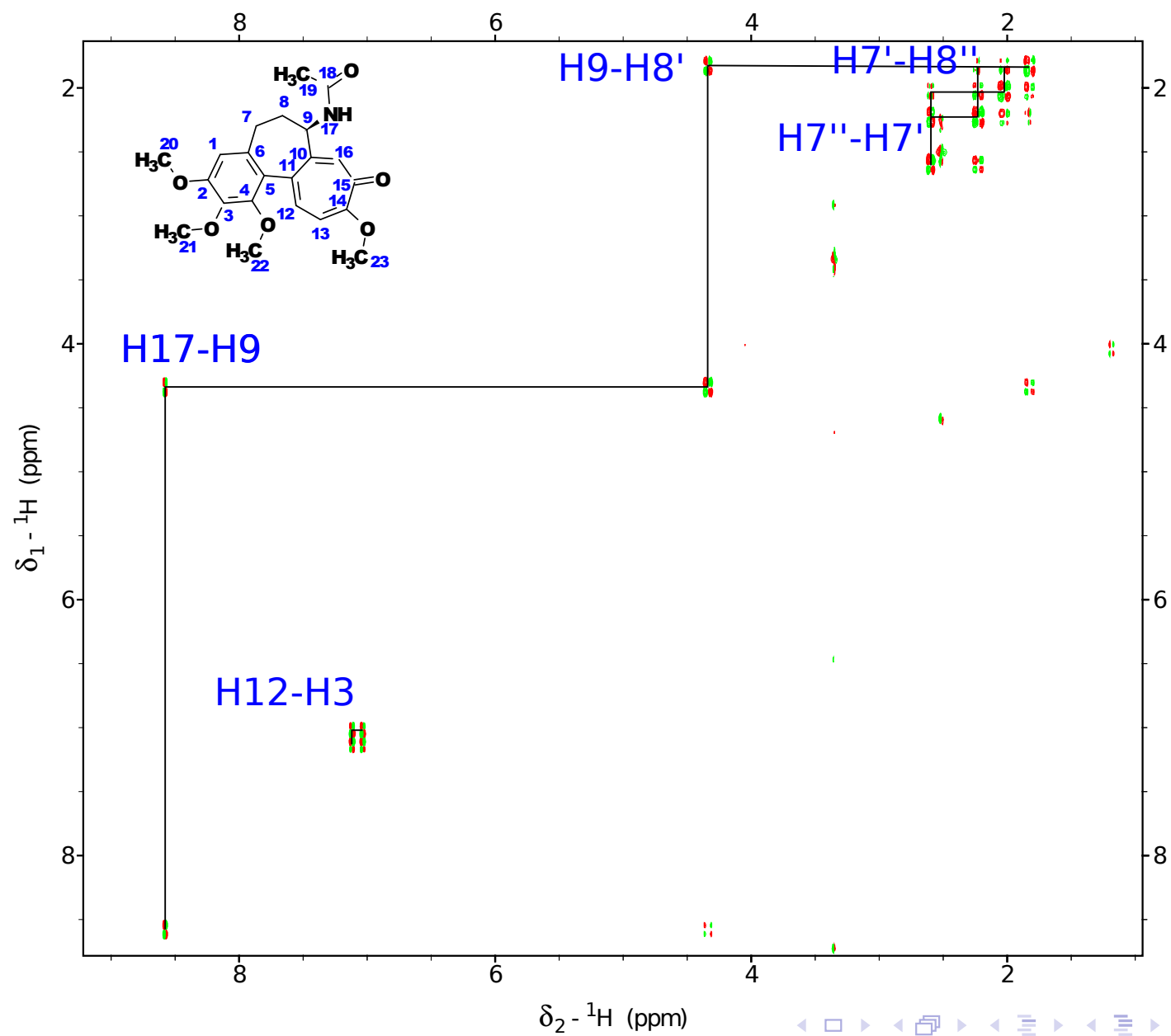
1H COLCHICINE



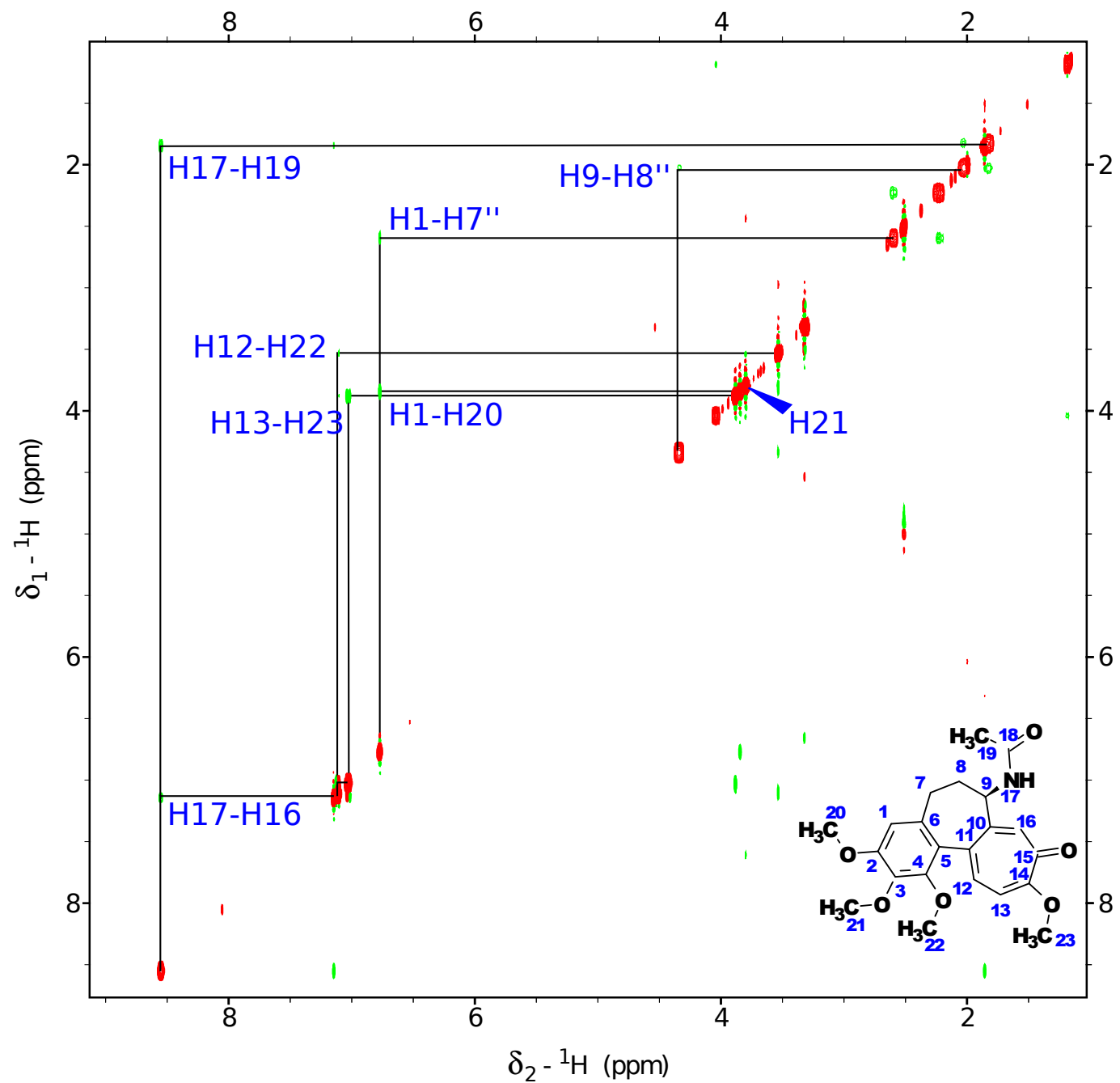
Colchicine - DQF-COSY



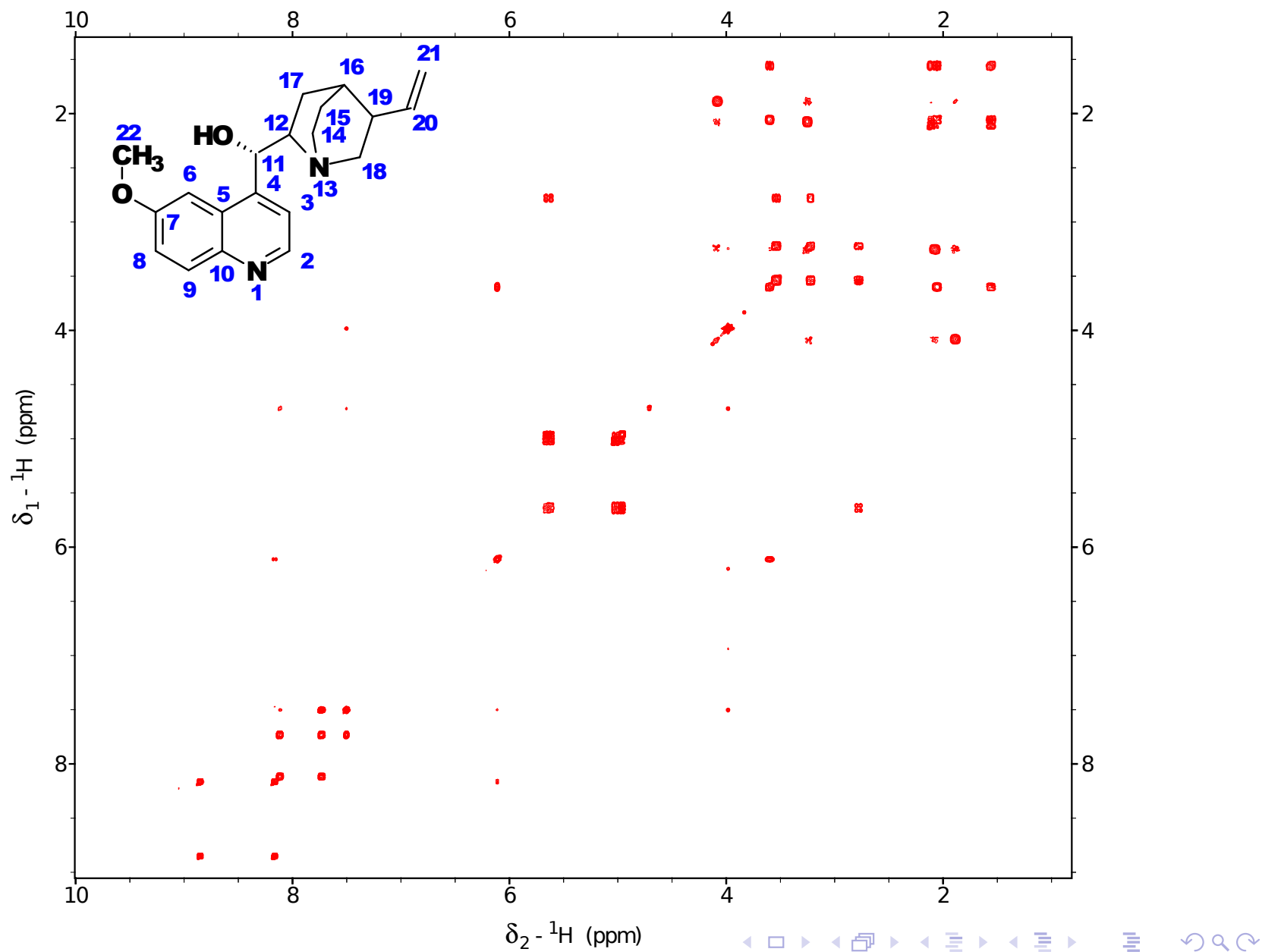
Colchicine - DQF-COSY



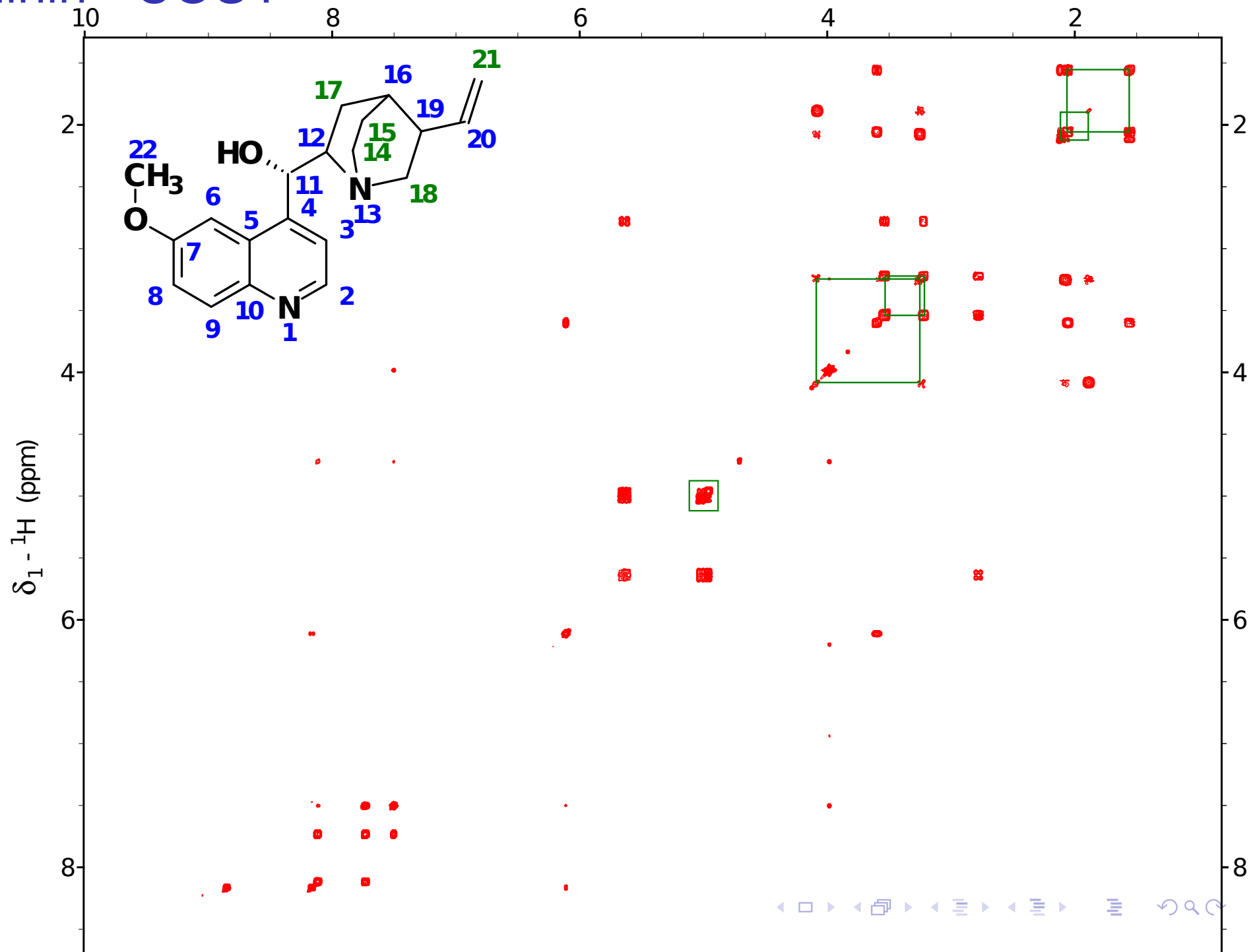
Colchicine - NOESY



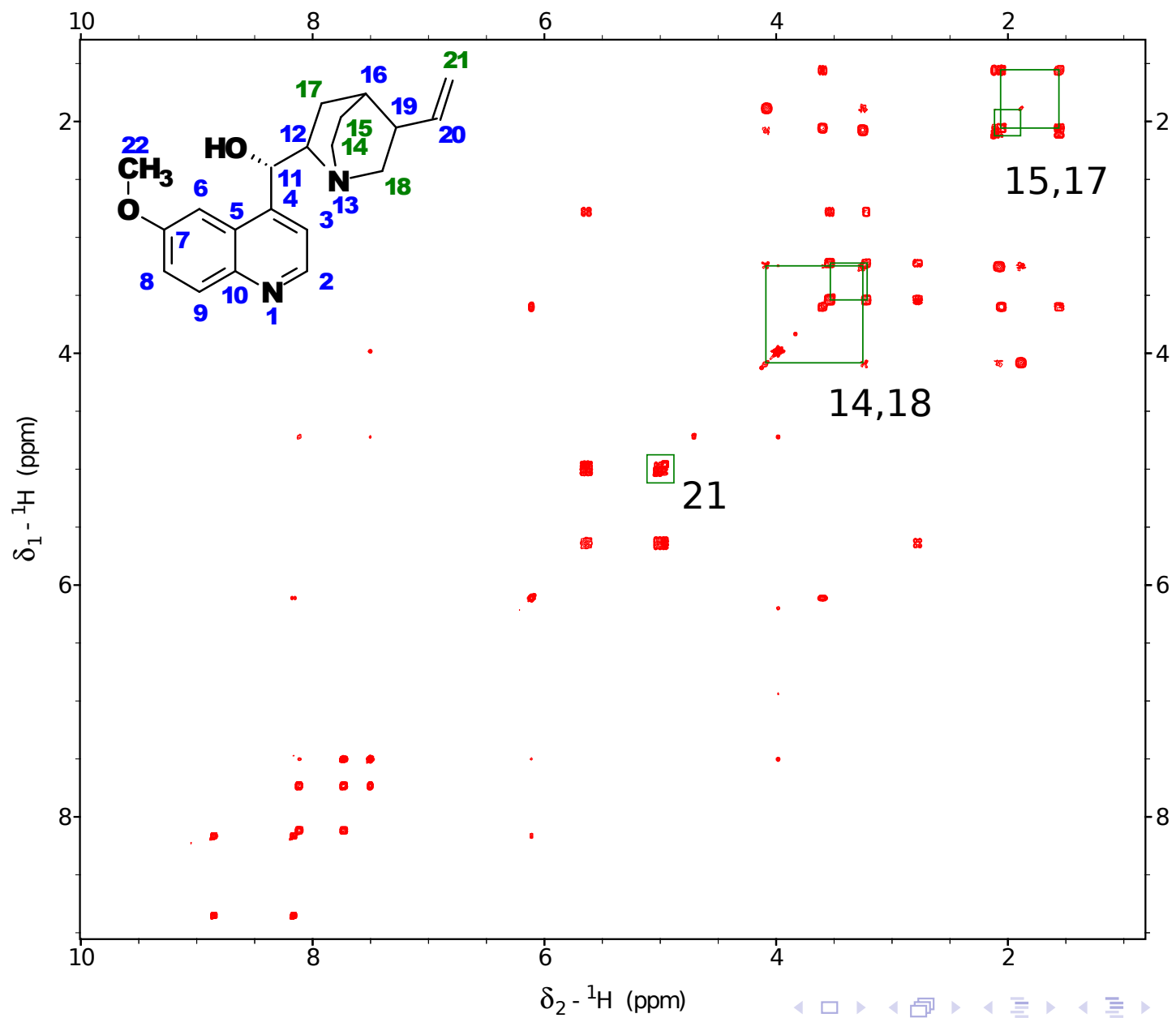
Chinin - COSY



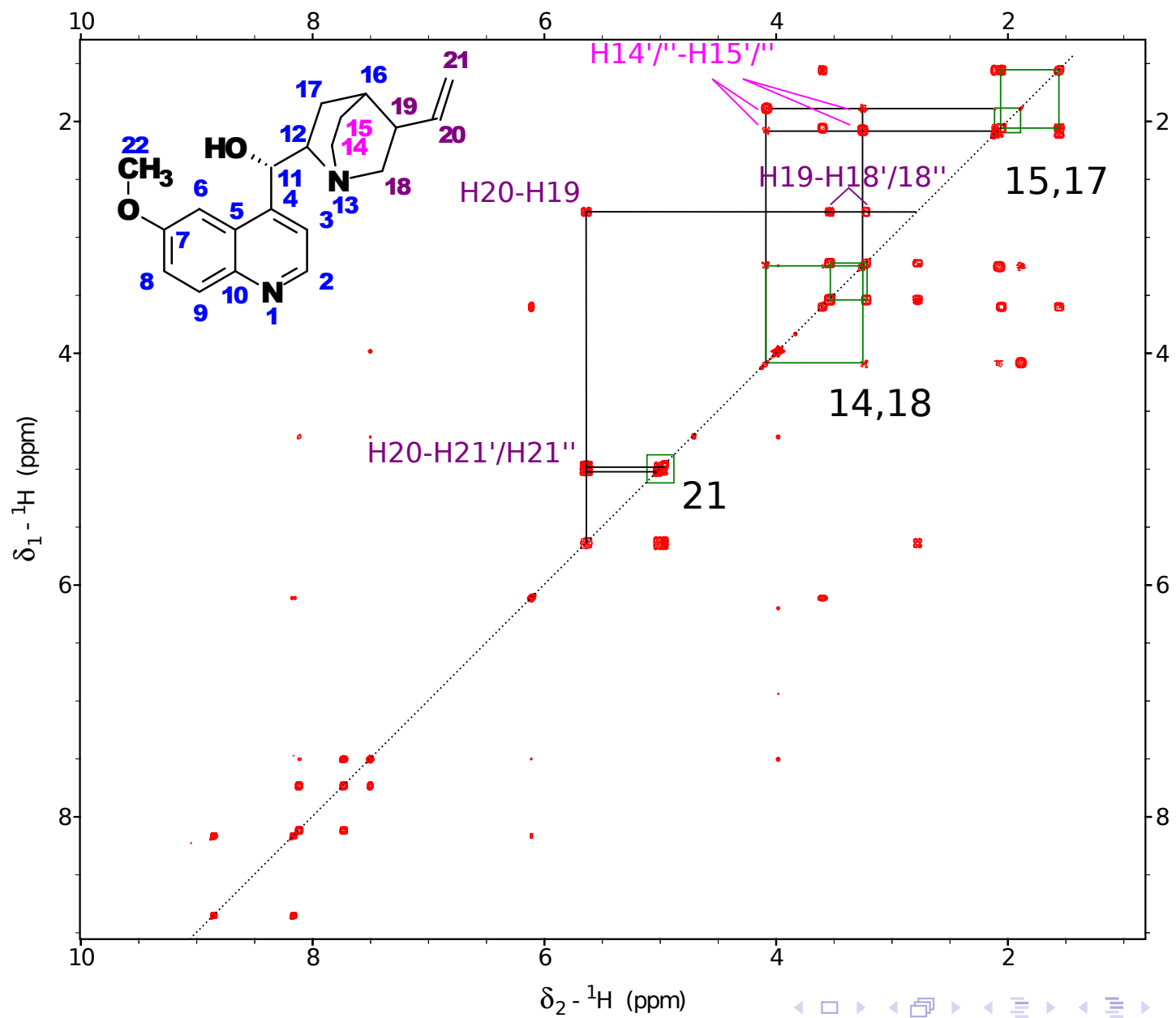
Chinin - COSY



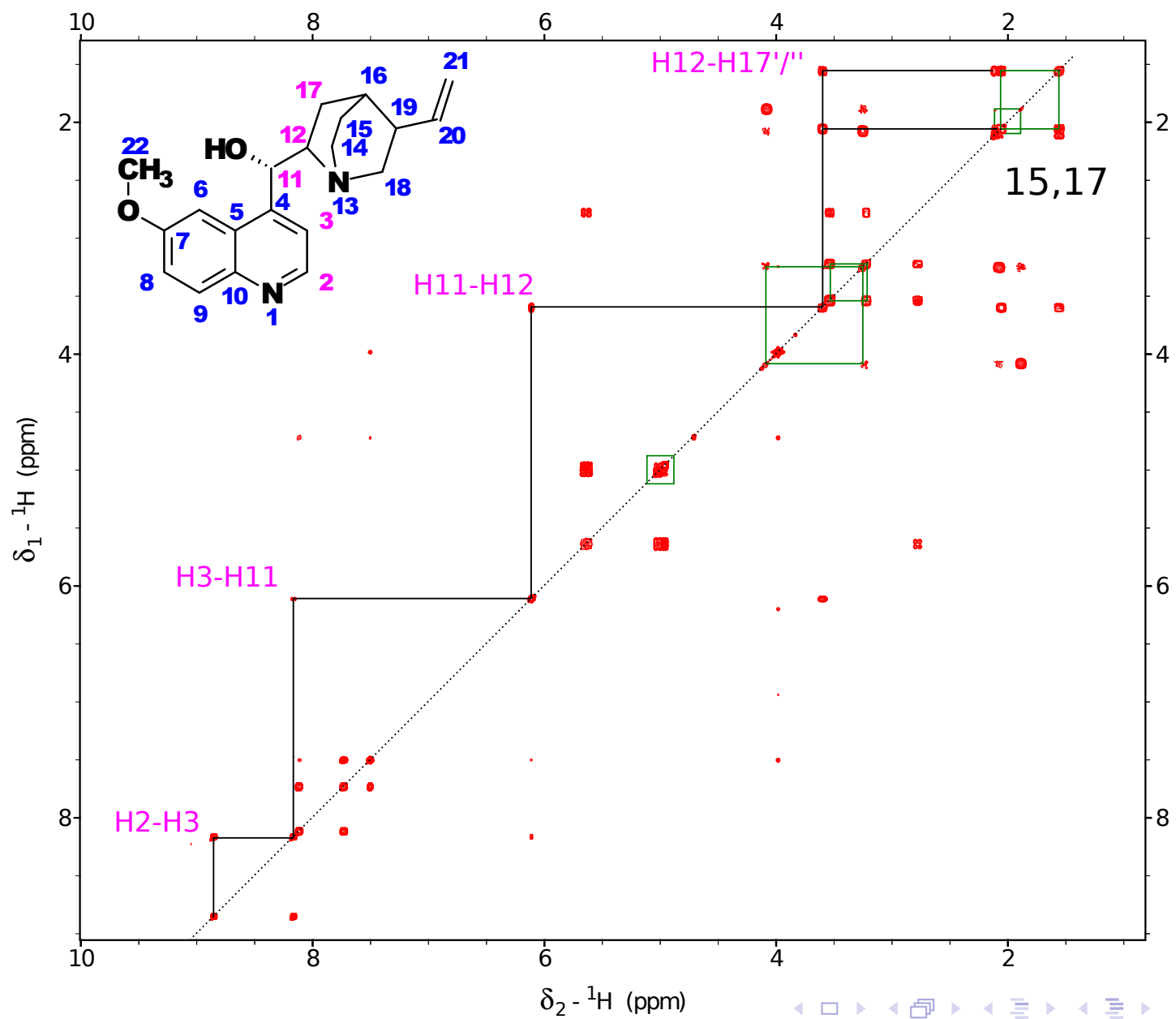
Chinin - COSY



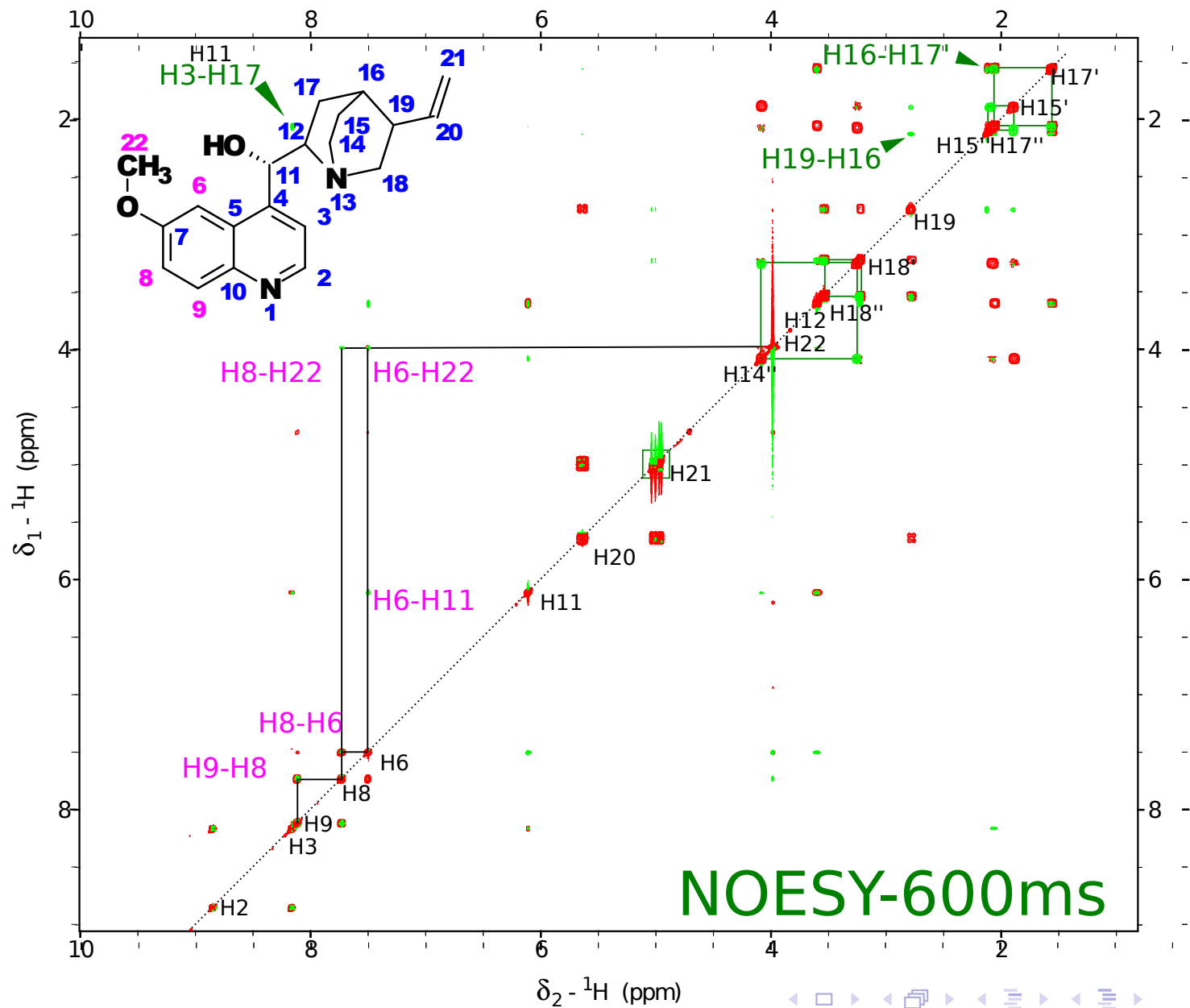
Chinin - COSY



Chinin - COSY

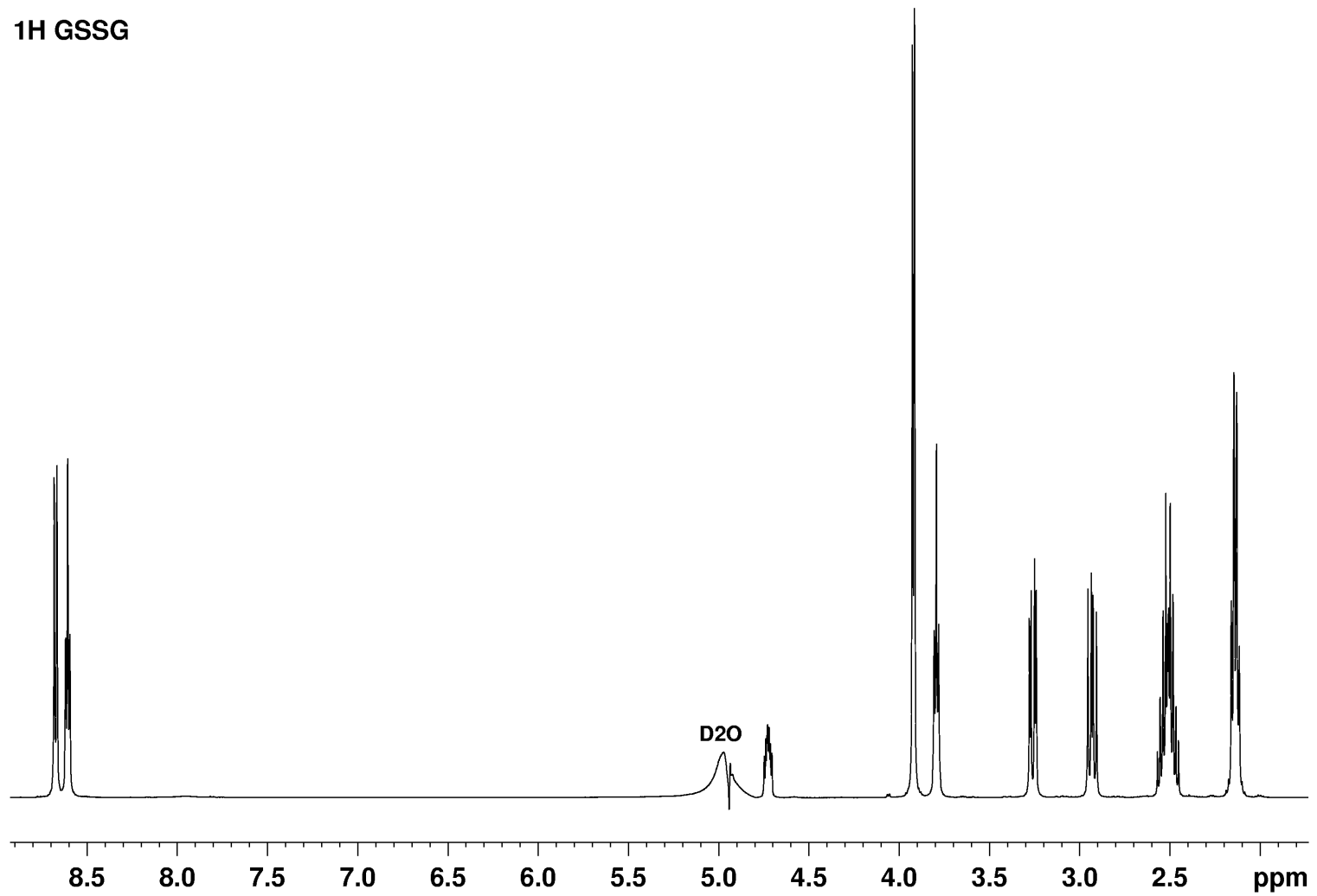


Chinin - COSY

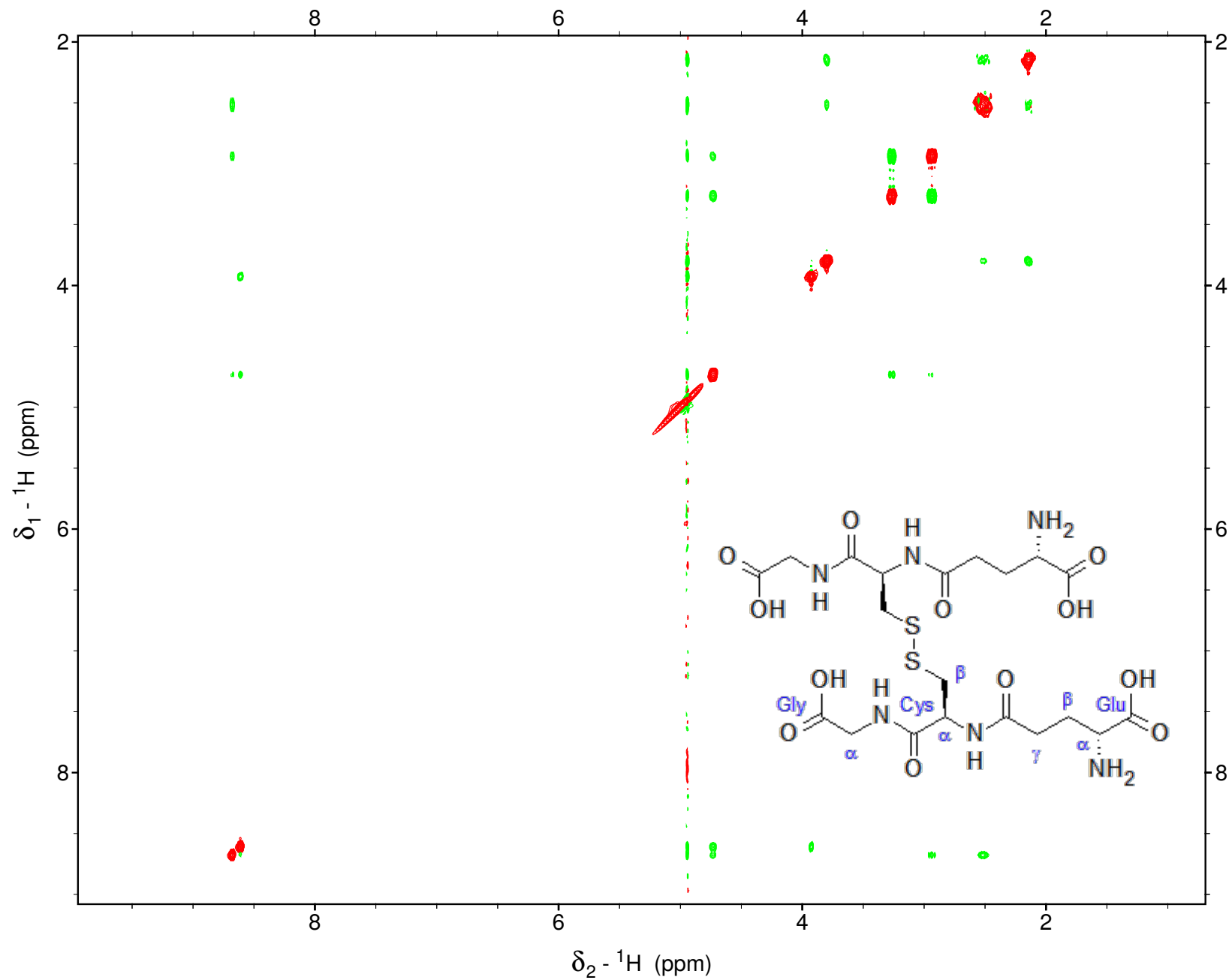


GSSG 1D-¹H

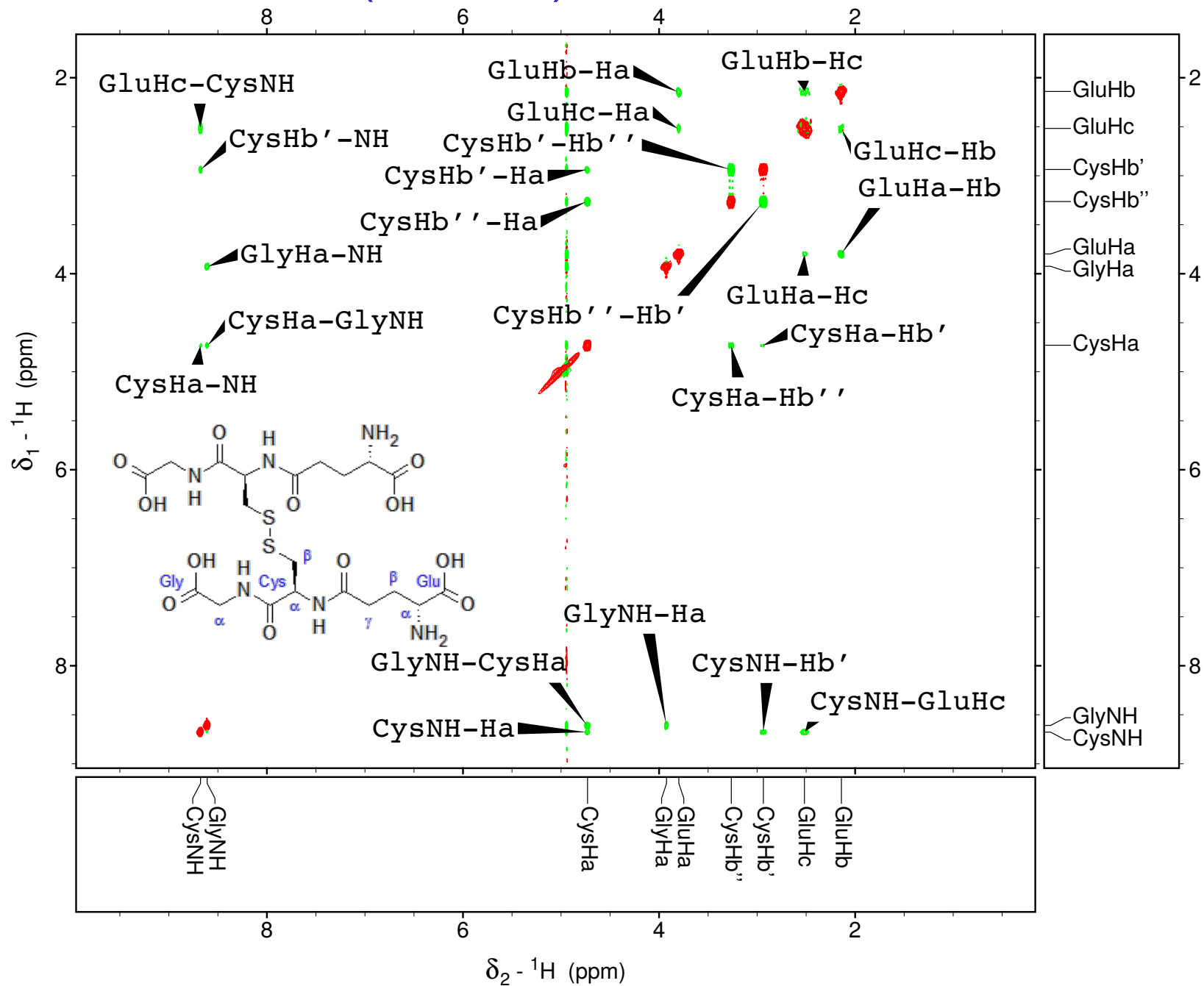
1H GSSG



GSSG - ROESY(400ms)



GSSG - ROESY(400ms)



Next topic:

Heteronuclear correlations