

Jan 24, 2023

COSY NMR at AV600

Procedure:

Open Topspin 3.6.5

run H-1 NMR prior to COSY NMR (Ah1)

run COSY NMR

1. find (**o1p**) and (**sw**) from 1H NMR spectrum
2. run (**pulsecal**) on 1H NMR dataset
3. create dataset: name; exp #; pro #; solvent; directory (D:\Chem471\user last name\yrmo)
4. (**rpar A2d***) (select A2d_cosydf_phase)
5. prosol (**getprosol**)
6. input (**o1p, sw, p1, ns, ds, d1, TD**) into COSY dataset
7. run (**rga**) to obtain rg value
8. no eject sample/no insert sample
9. no lock
10. no spinning
11. no shim
12. go (**zg**)
13. (**xfb**)
14. internal/external projection
15. adjust phase if necessary
16. calibrate spectrum
17. eject sample (**ej**) or (**sx #2**) ; take sample
18. close topspin
19. log off