

13C NMR at AV600

Procedure:

Open Topspin 3.6.4

run H-1 NMR prior to C-13 NMR (Ah1)

run C-13 NMR with/out H-1 decoupling

run C-13 DEPT NMR

A. Preparation and Acquire,

1. rerun H-1 NMR
2. create four datasets: name; exp #; pro #; solvent; directory (D:\group\user last name\yrmo)
3. rpar Ac13* for each dataset (select either Ac13cpd; Ac13cpd_no_decoupling; Ac13_dept135; Ac13_dept90)
4. no eject sample (ej)/no insert sample (ij)
5. no lock
6. tune (atma) in any dataset
7. no spinning
8. no shim (topshim)
9. for each dataset:
 - prosol (getprosol)
 - gain (rga)
 - check: ns (1k), ds, d1
10. zg

B. Process and Finish,

11. for each dataset
 - check spectrum: tr;efp;apk; if the spectrum is enough, type halt;efp;apk
 - or wait until experiments finish, type efp;apk
 - adjust phase if necessary
 - calibrate spectrum
 - pick peaks
12. eject sample (ej); take sample; ij to close air
13. close topspin
14. log off