

## 13C NMR at AV600

### Procedure:

Open Topspin 3.6.5

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

**run C-13 NMR with H-1 decoupling**

A. Preparation and Acquire,

1. **rerun** H-1 NMR
2. create four datasets: name; exp #; pro #; solvent; directory (D:\Chem471\user last name\yrmo)
3. (**rpar Ac13\***) for each dataset (select Ac13cpd)
4. no eject sample/no insert sample
5. no lock
6. tune (**atma**) in any dataset
7. no spinning
8. no shim
9.
  - prosol (**getprosol**)
  - gain (**rga**)
  - check: (**ns**) (1k), (**ds**), (**d1**)
10. (**zg**)

B. Process and Finish,

11.
  - 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**) or (**sx #2**) ; take sample
13. close topspin
14. log off