

Logging Characterization Data

Among the most important of your scientific contributions is the synthesis and characterization of new compounds. Maintaining samples (as little as 5 mg) of and data on new compounds is extremely important (along with experimental procedures). As a policy in the group we will maintain electronic records of data in addition to paper (in folders). I propose to provide each researcher with a memory stick (ca. 1 gb or greater). On this memory stick you will maintain folders with compound data.

- 1) Each compound should be given a primary registry number (usually your initials, lab book and page number). If the compound appears in a thesis or paper include the compound number in parenthesis. Eventually all small molecule samples will be assigned a Vanderbilt registry number.
- 2) ^1H and ^{13}C NMR-Jpg files. Your FID should be saved on the (NMR) server.
- 3) IR saved as a Jpeg or pdf (Scanned)
- 4) MS – HRMS saved as a pdf file or Jpg file.
- 5) Data sheet including optical rotation, elemental analysis, TLC data and melting point.
- 6) X-ray file.
- 7) Experimental

Include hardcopies.

When you leave the group deposit the records on the group hard drive, leave your notebook, hard copies, compound samples in the freezer and memory stick (with me).