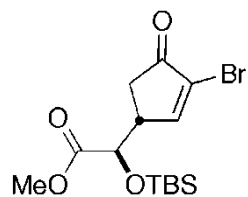


Beaudry Group Compound Collection Guidelines

1. Unique to organic chemistry is the ability to prepare new materials that have never existed before. Methodology projects benefit from having access to these structurally elaborate substrates. Also, many of the compounds we synthesize may have desirable properties (biological, pharmaceutical, material, etc.) and various organizations will be interested in purchasing samples from us. This has potential to lead to scientific collaborations and is a potential money-maker for us. We can use the money (hundreds of dollars per sample) to improve our group equipment, expand our library, or pay for group "morale building events". We therefore need an organizational system for our compound collection.
2. Each new pure compound we make should be archived. Undesired byproducts, diastereomers, and other non-productive intermediates make great candidates if they are >95% pure. For synthetic intermediates produced on large scale, a small sample (10 mg) should be archived before all the material is processed. All intermediates on "dead" routes should be archived. No compound is too small, but do not archive any compound that is commercially available. Never throw pure compounds away.
3. When you have a sample to be archived, ask the person managing the collection for the current box number and position (e.g. Box 1, Position A1).
4. Archive pure compounds in capped and parafilm 1-dram vials. Tape a label (laser printer) on it that has the following:
 - a) The chemical structure
 - b) The notebook page
 - c) Approximate quantity in mg
 - d) Archive location (e.g. Box 1, Position A1)
5. Each sample must have a corresponding info sheet with the vial location (which Wheaton box, which position in the box) the structure, notebook page number, quantity in the vial, the word "enantiopure" or "racemic", a copy of the ^1H NMR, mass spectrum, copy of a TLC with solvent conditions and stain. This is so we have a paper record of what compounds are in the collection. See the example below. Give your vial and info sheet to the person managing the collection for archival.
6. As an incentive, when 100 compounds appear in the collection, we will have a party.

Box #1 Position #A1



CMB2019-2

(15 mg)

(enantiopure)

4:1 Hex:EtOAc

(PAA)

