

Please fill the below in as completely as possible and indicate the proposed structure or the reaction leading to the submitted sample. Include any specialized labeling scheme that you wish utilized (4 character maximum length) and known stereo centers. Online submission at: [www.iumsc.indiana.edu](http://www.iumsc.indiana.edu). With the submission of the form and sample, you authorize to charge the below listed account.

Date Submitted: \_\_\_\_\_ Account/PO: \_\_\_\_\_

Submitters Name: \_\_\_\_\_ Email Address, Phone: \_\_\_\_\_

Research Group or Affiliation: \_\_\_\_\_ Email PI: \_\_\_\_\_

Sample Name/Code: \_\_\_\_\_ Crystal Color: \_\_\_\_\_

Please label all vials with this code.

Request:                      Single Crystal                      SCrAPS/ChemMatCARS

Anticipated empirical formula: \_\_\_\_\_ Chiral      Absolute configuration needed

Proposed structure (required for SCXRD) and preferred labeling:

Insert or supply a .jpg/.gif/.png file.

**For IUMSC use only**

Crystal color \_\_\_\_\_  
Crystal size/mm<sup>3</sup> \_\_\_\_\_  
Crystal shape \_\_\_\_\_  
Instrument \_\_\_\_\_  
Radiation/el. \_\_\_\_\_  
Temperature/K \_\_\_\_\_  
Distance/mm \_\_\_\_\_  
Frame width/° \_\_\_\_\_  
Exposure time/s \_\_\_\_\_  
Resolution/Å \_\_\_\_\_  
Sets & Mode \_\_\_\_\_  
Redundancy \_\_\_\_\_  
Crystallographer \_\_\_\_\_

**Required for SCXRD:**

Crystals grown from (method and solvents): \_\_\_\_\_

Other solvents used: \_\_\_\_\_

Collection Temperature      Room Temperature (RT)      173 Kelvin      100 Kelvin      Other: \_\_\_\_\_

Radiation      Molybdenum (Mo)      Copper (Cu)      Other: \_\_\_\_\_

Sample Stability      Stable at RT      Loses solvent (*please supply in mother liquor*)

Stable in open container at RT      Other: \_\_\_\_\_

Sensitivity      Air      Water      Light      Solvent Loss      Other: \_\_\_\_\_

Special Instructions / Precautions: \_\_\_\_\_

Other notes and comments: \_\_\_\_\_

Related samples (IUMSC#): \_\_\_\_\_

SCXRD data will be available on our Reciprocal Net server ([bl-chem-iumsc110.chem.indiana.edu/recipnet/](http://bl-chem-iumsc110.chem.indiana.edu/recipnet/)) upon completion of the analysis. PXRD data are stored on the main server of the lab. All sample vials must be labeled. Unmarked samples will be discarded. It is recommended that any sample believed to be air, moisture or otherwise sensitive be submitted in more than one container. You will receive frequent email notification on your sample processing. Please pick up your vials after completed analysis.