



**INDIAN INSTITUTE OF SCIENCE EDUCATION & RESEARCH, MOHALI**  
(Established by Ministry of Human Resource Development, Govt. of India)  
Sector 81, S.A.S. Nagar, Manauli PO, India-140306

## X-ray Facility

### Single Crystal Sample Request Form

Name:	Supervisor:
Address if not IISER Mohali:	
Telephone:	Account # :
E-mail:	Date Submitted:
Sample Label:	
Chemical Formula:	
Are the crystals air, moisture, light, heat sensitive?	
Color and Shape of the crystals:	
Solvents used in reaction, crystallization:	
Is the sample chiral and a single enantiomer?	
Data collection temperature: RT_____, 100 K_____, other_____	
Indicate what is needed: Unit cell only_____ Full data set_____ Complete solution_____	
What other analytical data (CHN analysis, FTIR, UV-Vis, Mass Spec, etc.) do you have for the sample to support the proposed structure below?	
Is there any specific information needed (non-bonded distances, dihedral angles, stereochemistry, etc.)?	
Proposed Structure with a reaction Scheme ( <i>on the reverse side</i> ):	
Special hazards and precautions for sample (toxicity, explosion risk, etc.):	
Sample disposition: Save and Return_____ Dispose of after analysis_____	
Note: if the sample is not picked up within two weeks from the date of providing results, it will be discarded automatically.	
Signature of Supervisor:	

#### DO NOT WRITE below this line - Facility Use Only:

Sample examined on:	Is it suitable for SCXRD study (yes/no)?
File assigned:	Is requested work completed (yes/no)? When:
Data archived (yes/no):	Supervisor notified with results?
Is there an account for this user (yes/no)? If yes, what is the amount charged?	

#### Notes:

(1) After finding your sample suitable for SCXRD study the requested work will be completed within two weeks from the date of submission if the instrument does not have an issue or additional crystallographic challenges are present. Also, if more than two samples are submitted from a supervisor on the same date it will take longer than two weeks for considering your sample.

(2) Please acknowledge the work done by this facility in your publication.

For inquiries contact: Dr. Sanjay Mandal, Convener, X-ray Facility, Phone: 91-172-240269

Proposed structure with a reaction scheme:

