

Sophisticated Analytical Instrument Facility (SAIF)  
ANALYSIS REQUEST FORM AND SAFETY DATA SHEET-

**NMR 600MHz**

- 1. Name of the User:-**
- 2. Guide's Name:-**
- 3. Email id:-**
- 4. Sample Codes/Names:-**
- 5. Number of Samples:**
- 6. Details of Analysis required** (Please enter appropriately as per your requirement)

**a) Solution State 1D NMR**

- Nuclei of interest (eg.<sup>1</sup>H, <sup>13</sup>C, <sup>31</sup>P, etc.) -----
- Required Spectral range (ppm)-----
- \*Solvent in which sample is soluble -----
- You may attach a separate sheet with the names of samples and solvent to be used.

**b) Solution State 2D NMR**

- Type of Experiment (eg. COSY, TOCSY, NOESY, HSQC, etc.) -----
- \*Solvent in which sample is soluble -----
- You may attach a separate sheet with the names of samples and solvent to be used.

List of Deuterated Solvents that are available in Lab

- CDCl<sub>3</sub>/D<sub>2</sub>O/DMSO/Benzene/Methanol/Acetone/DMF/Acetonitrile/Trifluoroacetic acid/Pyridine.

**c) \*\*Solid State 1D NMR (<sup>1</sup>H NMR not possible in Solid state mode**

- Nuclei of interest (eg.<sup>13</sup>C, <sup>31</sup>P, <sup>29</sup>Si, etc.) -----
- Required Spectral range (ppm)-----

**\*\* At least 300-400 mg of very finely powdered sample is required.**