

NMR Spectrometer (400 MHz)

Nuclear magnetic resonance spectroscopy is used to study 1. Molecular conformation in solution II) Quantitative analysis of mixtures containing known compounds III) Determining the content and purity of a sample IV) Through space connectivity (overhauser effect)

Make and Model:

Bruker (Germany) Avance III 400

Specification/ Features:

- Magnet : Bruker Ultrashield™ 400
- Probe : Tuneable Multinuclear Probes
- Sample changer : Bruker Automatic Sample changer
- Bruker NMR software : Topspin 2.1
- NMR holder: Bruker Multiple Adjustable Tube Clamp Holder
- Variable temperature Capability

Available mode of use:

- Liquid

Whether the facility is open to external users: yes

Location:

Room no: CL 16, Ground floor

Department: Chemical engineering, IIT Bombay,

Powai, Mumbai-400076



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