

NMR ANALYSIS REQUEST Univ. of Iowa High-Field NMR Central Research Facility

BRUKER -- AVANCE-300, DPX-300, DRX-400, & AVANCE-600 NMR Spectrometers

TECMAG [solids] -- WideBore-300 NMR Spectrometer

NMR Facility Office: Room 79 Chemistry

Labs: 73, 77, 81, & 83, CB, Tel. 335-1332

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NAME: _____ Phone: _____

ADDRESS (Dept/Bldg/Room): _____

SUPERVISOR'S Name: _____

Supervisor's SIGNATURE: _____ Date Submitted: _____

MFK number

Fund	Org	Dept	SubDpt	Grant / Prog	inst. A	Org. A	Dept. A	Fn	Cost C.
					6218				

IDENTIFYING LABEL on sample tube:	REFERENCE:	CONCENTRATION:	LOCK SOLVENT: <input type="checkbox"/> none <input type="checkbox"/> Deuterated Solvent
1.	1.	1.	1.
2.	2.	2.	2.
3.	3.	3.	3.
4.	4.	4.	4.
5.	5.	5.	5.

SPECTROMETER for Acquisition { } use most appropriate system	PROBE to use: <i>standard or specify</i>	Sample STORAGE:	TEMPERATURE for Data Acquisition
<input type="checkbox"/> AVANCE-300 { ¹⁹ F} <input type="checkbox"/> WideBore-300 {solids} <input type="checkbox"/> DRX-400 <input type="checkbox"/> AVANCE-600		<input type="checkbox"/> Refrigerator <input type="checkbox"/> Freezer <input type="checkbox"/> Room Temp.	<input type="checkbox"/> 25° C { 298K } <input type="checkbox"/> other _____ ° C { _____ K }

DESCRIPTION OF SAMPLE, any SPECIAL EXPERIMENT(S) desired, any SPECIAL PROBLEMS expected, etc. Indicate **name**, proposed structural **formula(s)**, and **handling precautions** such as air/moisture sensitivity, slow decomposition with time, toxicity if known, etc. If you indicate the specific information desired, we can attempt to optimize the data acquisition & plotting so as to best exhibit this information.

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Description of Sample(s):

- ¹H (integrate? yes no)
- ¹³C
- DEPT 135
- COSY
- NOESY
- HMQC
- HMBC (indicate ¹³C range if known)
- OTHER _____

email plots as [] PDF files, or [] .ps files