نموذج طـلـب اجــراء **جهاز** مطيافية الرنين المغناطيسي النووي

**Nuclear magnetic resonance) NMR (**

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| **INFORMATION ON THE SAMPLE PREPARATION** |
| **Samples No.:** |
| **1. Nature of the sample:**Synthetic product Extracted natural productOthers: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | **5. The sample is sensitive to environmental factors.** **No Yes,** it is sensitive to light **Yes,** it is sensitive to temperature, please store at---------°C |
| **2. The sample is dry.** **No Yes**, the sample weight is \_\_\_\_\_\_\_\_\_\_\_\_\_ |  **6. The sample has known potential hazards.** **No,** the sample is safe.  **Yes,** please handle it with caution |
| **3. The sample solubility is known.** **No Yes,**  it is soluble in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | **7. The analysis needs to be done within 3 days from the submission date.** **No Yes** *(Note: Rush analysis will incur additional cost.)* |
| **4. The relative purity of the sample is known.****No Yes,** the relative purity (%) is \_\_\_\_\_\_\_\_\_\_\_ | **8. Other**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

**ملحوظة: حرصاً علي الجهاز سوف يتم تحضير العينة بالمذيبات الخاصة بالجهاز من خلال المختبر المركزي فقط ولن يتم استقبال غير ذلك.**

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| **No. of Scans** | **Experiment** | **Preferred Deuterated Solvent:** | **Sample Name/Code:** | **No** |
|  | **1H** |  |  | **1** |
|  | **13C** |  |  | **2** |
|  | **13C DEPT 45° 90° 135°** |  |  | **3** |
|  |  **COSY (H-H)** |  |  | **4** |
|  |  **HMBC (H-C)** |  |  | **5** |
|  | **HSQC (H-C)** |  |  | **6** |
|  |  **Others *(Please specify.):*** |  |  | **7** |

For NMR 600 MHz charges send E-mail stcl@ju.edu.sa (Mails regarding exact charges for NMR will be replied only if number of samples, solvent to be used & type of test (1H, 13C etc) is mentioned)

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| **TERMS AND CONDITIONS** |
| I understand and agree to the following: a. That I will be billed according to the schedule of fees published in the Central Laboratory website. Unpaid samples will not be analyzed and processed.b. Succeeding experiments for the submitted samples can only be carried out upon instruction and upon payment preferably within 7 days after the release of initial results.  c. That the quality of the obtained NMR spectra is very dependent on the quantity and the purity of my sample as well as on the number of scans.d. That the NMR spectra, which will be sent via e-mail, shall be in pdf format containing the results of the NMR experiment with chemical shift labels for each relevant peaks. Integration of peaks, expansions of spectra and sending of raw files (in .jdf format) may be provided upon the request of the Client.e. That the Central Laboratory does not provide spectral interpretation of the results of the NMR experiments.f. That the raw and processed electronic data files will be automatically deleted after one (1) year from the analysis date. g. That I must claim my samples within 8 working days after the e-mail release of the results. I understand that unclaimed samples will be disposed of accordingly. h. That the Central Laboratory staff shall not be held liable for the sample degradation or solvent evaporation of my sample. i. That the Central Laboratory NMR will not be held liable for the breakage of solvent bottles, sample containers, or NMR tubes, which occurred during transport.j. That any papers for publication using the Central Laboratory NMR should acknowledge the Central Laboratory**.** |