

Request for Mass Spectral Analysis (JEOL MStation-JMS700)

Name: _____ Date: _____ Research Lab./ Advisor: _____

Sample Information

Sample Identification Number: _____

Elemental Composition: _____

Molecular Mass: _____
(use abundant isotopes; attach ISOFORM calculation)

Solid: ____ Liquid: ____ Solution (solvent): _____

Amount: _____ Sample Purity: _____
(estimate weight if unknown & give criterion for purity)

Physical Properties: mp _____ bp/Torr _____

Soluble in (circle those that apply):

CH₂Cl₂ CHCl₃ CH₃CN THF CH₃OH DMSO H₂O

Proposed Structure

Air Sensitive? ____ Thermal Decomposition: _____ °C Hazards? _____

Requested Analysis

Ionization Mode (indicate whether in positive or in negative mode)

EI _____ CI _____ Reagent Gas [*isobutane, methane, other*]: _____

FAB _____ Matrix [*Gly, NBA*] _____ Cosolutes: _____

ESI _____ Solvent: _____ APCI _____ Solvent: _____

Information Requested-

Nominal Mass _____ Isotope Pattern _____ Fragmentation Pattern _____

Accurate Mass _____ Mass Range (*consult operator*): _____

Additional Instructions [*for high resolution measurements indicate the ion for which an accurate mass is required and the formula expected; use reverse side if necessary; attach ISOFORM calculation*]:

Operator Information

Date and Time: _____ Charges: _____

Data File(s): _____