

<http://chemistry.caltech.edu/resources/facilities.html>

MASS SPECTROMETRY REQUEST

General Information

Name: _____ Date: _____

Phone Number: _____ Email Address: _____

Research Group: _____ Account #: _____

Sample Information

Amount: _____ mg/ mL Estimated Purity: _____

Solubility: (circle) H₂O CHCl₃ CH₂Cl₂ CH₃OH CH₃CN THF Other: _____

Vaporizes at _____ °C at pressure _____. Thermal decomposition at _____ °C

Air sensitive: _____ Known Hazards _____

Molecular Formula: _____

Molecular Mass: _____ Daltons

Molecular Structure:

Requested Analysis

Nominal Mass____Exact Mass_____

Ionization Modes:

GC-MS (EI)____GC-MS (CI)____FI/FD____

MALDI_____Electrospray ionization_____

*in some situations only nominal mass is possible /please consult the lab if not sure