

<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) H<sub>2</sub>O CH<sub>3</sub>Cl CH<sub>2</sub>Cl<sub>2</sub> CH<sub>3</sub>OH CH<sub>3</sub>CN 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 \_\_\_\_\_

Ionization Mode: Electrospray \_\_\_\_\_ MALDI \_\_\_\_\_

Nominal Mass \_\_\_\_\_ Exact Mass \_\_\_\_\_

GC-MS (EI) \_\_\_\_\_ GC-MS (CI) \_\_\_\_\_ FAB \_\_\_\_\_

Direct insertion probe (EI) \_\_\_\_\_ Direct insertion probe (CI) \_\_\_\_\_