

Name _____	Lab Partner _____
TA Name _____	Section _____ Date _____

Experiment 1 - Literature Searching

Basic Information	Name	
	CAS number	
	Cost for 100 g	
	Synonyms(s)	
Physical Properties	Molecular formula	
	Structural formula (draw —>)	
	Melting point (°C)	
	Boiling point (°C)	
	Density (g/cm ³)	
	Refractive index (n_D)	
Hazardous Properties	Unusual biological activity? (e.g., is the compound a carcinogen, teratogen, mutagen, lachrymator, etc.)	
	Unusual dangers? (e.g., is it extremely flammable? pyrophoric? easily detonated?)	

IR Spectrum (*interpret at least **three (3)** peaks!*)

paste a copy of IR spectrum here or attached a copy

¹H NMR Spectrum (*interpret **all** peaks!*)

paste a copy of NMR spectrum here or attach a copy

Method of Synthesis (*include reference!*)

To report your synthesis, you should provide a chemical equation or equations with conditions shown over the 'arrow', clearly state the yield obtained, and any unusual conditions needed which might not be available in a typical organic laboratory.