

Chemical Information:

Name:	p-Nitrobenzoyl chloride		
CAS No.:	122-04-3	Supplier:	Sigma-Aldrich
Tox21_ID No.:	Tox21_200137	Lot No.:	429251/1
NTP_CID No.:	1209	MW:	185.59 g/mol

Date of Analysis: 30 August 2010

Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
p-Nitrobenzoyl chloride	14.45	100.00

^a Peaks comprising $\geq 0.5\%$ of total area.

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Dichloromethane
Column	J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25-µm film thickness
Carrier Gas	Helium at 1.0 mL/min
Oven Program	35°C, hold 2 min; ramp @ 10°C/min to 310°C, hold 7 min
Source Temperature	250°C
Auxiliary Temperature	250°C
Scan Range	15 – 500 amu
Injector Temperature	250°C
Injection Volume / Mode	1 µL / Split (100:1)
Data Analysis Software	Xcalibur ver 1.2, and NIST Library ver 2.0f, build 10/08/2008

