

Chemical Information:

Name: o-Nitrophenol
CAS No.: 88-75-5
Tox21_ID No.: Tox21_201442
NTP_CID No.: 1118

Supplier: Sigma-Aldrich
Lot No.: 12215TB
MW: 139.11 g/mol

Date of Analysis: 11 July 2007

Purity and Identity Results:

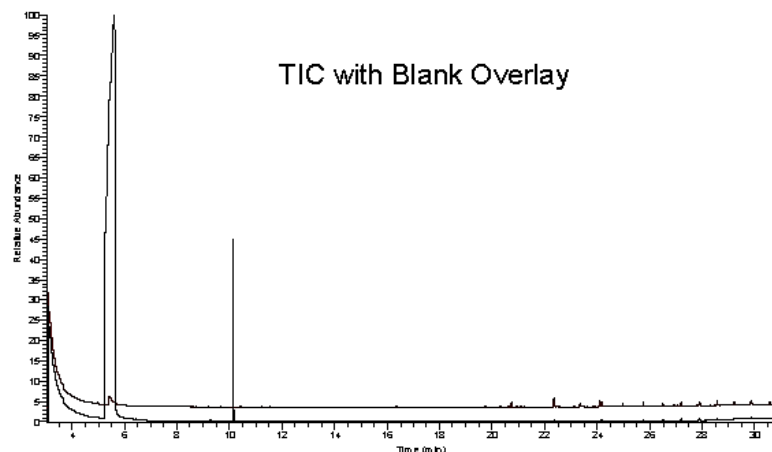
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.61	Not applicable
o-Nitrophenol	10.15	99.55

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

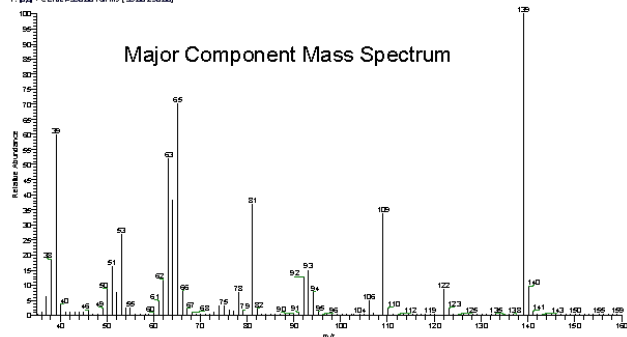
GC/MS Instrument Parameters:

Instrument / Ionization	ThermoFinnigan TraceGC with ThermoFinnigan TraceMS / Electron Impact
Solvent	Dichloromethane (100 mM in DMSO, diluted 1/1000 with dichloromethane)
Column	J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25- μ m 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 2 min
Source Temperature	250°C
Auxiliary Temperature	250°C
Scan Range	35 – 250 amu
Injector Temperature	250°C
Injection Volume / Mode	2 μ L / Splitless
Run Time	31.5 minutes
Data Analysis Software	Xcalibur, v 1.2 and NIST Library v 1.7, build 11/5/1999

RT: 3.05-31.51 SM: 30



07:10:07_07011154755 91380 RT: 10.14 AU: 1 334660
T: 012 - c:01ee+260100 Full no (30.00/250.00)



NIST Reference
Mass Spectrum

