

Chemical Information:

Name: 4-Nitrophthalimide
CAS No.: 89-40-7
Tox21_ID No.: Tox21_200190
NTP_CID No.: 391

Supplier: Sigma-Aldrich
Lot No.: 02307AC
MW: 192.13 g/mol

Date of Analysis: 10 April 2007

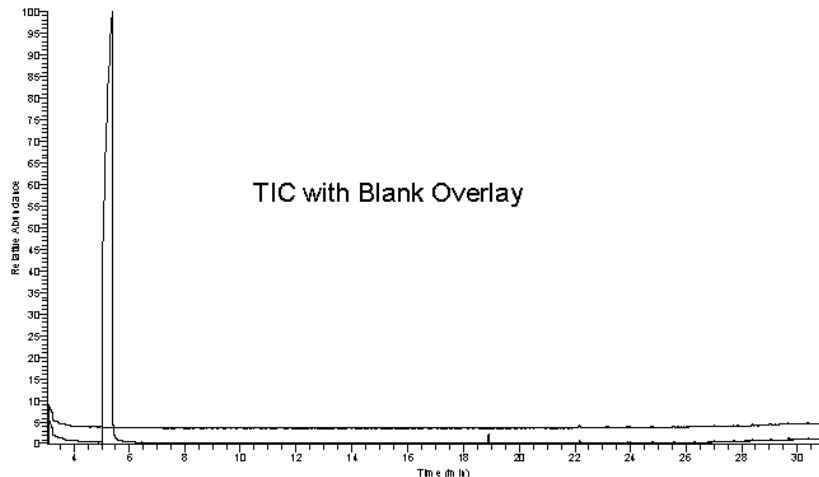
Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.38	Not applicable
4-Nitrophthalimide	18.90	100.00

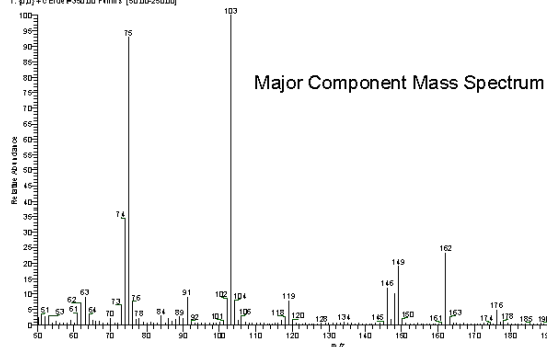
^a Peaks comprising $\geq 0.5\%$ of total area.

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	50 – 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



07101009 #1908 RT: 18.90 AU: 1 NL: 9.19E4
T: 0.014-c E: 0.4-300.00 F: 0.000000



NIST Reference
Mass Spectrum

