

Chemical Information:

Name: 1-Nitronaphthalene

Date of Analysis: 29 March 2007

CAS No.: 86-57-7

Supplier: Sigma-Aldrich

Tox21_ID No.: Tox21_201407

Lot No.: 06213BO

NTP_CID No.: 91

MW: 173.17 g/mol

Purity and Identity Results:

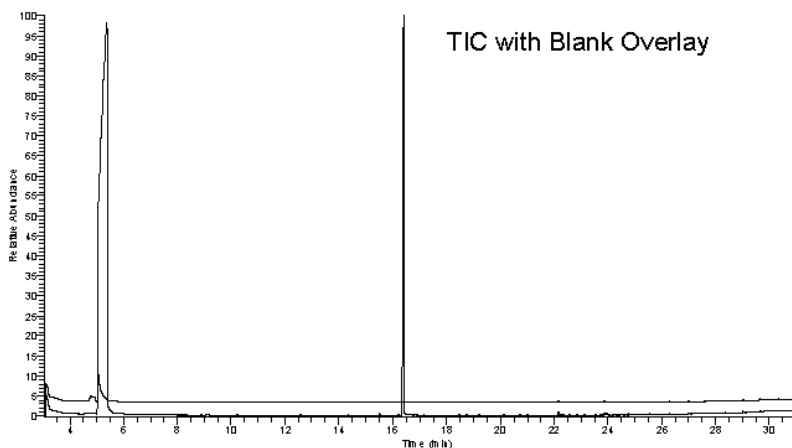
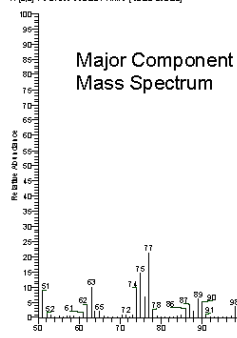
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.38	Not applicable
1-Nitronaphthalene	16.39	99.69

^a Peaks comprising ≥ 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-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 2 min
Source Temperature	250°C
Auxiliary Temperature	250°C
Scan Range	50 – 250 amu
Injector Temperature	250°C
Injection Volume / Mode	2 μL / 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 - 31.49 SM: 30


01-029111 #1603 RT: 16.36 AC: 1 NL: 9.89E6
T: (0.0) + c (0.0) - 350.00 P (0.0) s (30.00-250.00)


NIST Reference Mass Spectrum

