

Chemical Information:

Name: 1,6-Dimethylnaphthalene
CAS No.: 575-43-9 Supplier: Sigma-Aldrich
Tox21_ID No.: Tox21_200672 Lot No.: 02517EC
NTP_CID No.: 66 MW: 156.22 g/mol

Date of Analysis: 16 February 2007

Purity and Identity Results:

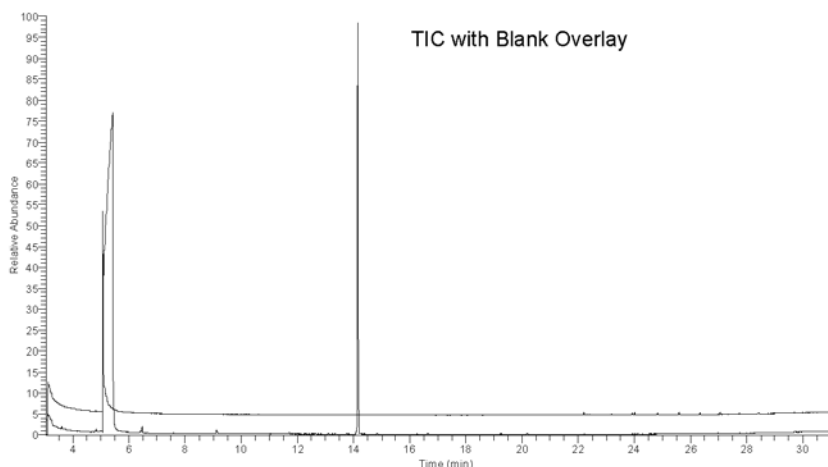
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.43	Not applicable
1,6-Dimethylnaphthalene	14.15	99.61

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

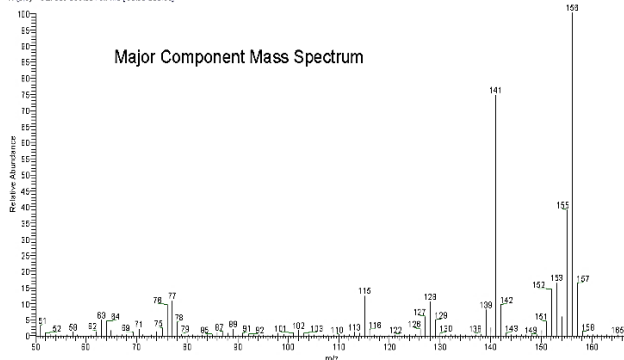
GC/MS Instrument Parameters:

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	280°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 - 31.50 SM 3G



1701801: #1308 RT: 14.14 AV: 1 SB: 2 14.03, 14.23 NL: 248EB
T: (D) + e EI x40560 10 Full ms [50.00-250.00]



NIST Reference Mass Spectrum

