

Chemical Information:

Name: 1,2,3-Benzotriazole
CAS No.: 95-14-7
Tox21_ID No.: Tox21_201501
NTP_CID No.: 18

Supplier: Sigma-Aldrich
Lot No.: 18205MO
MW: 119.12 g/mol

Date of Analysis: 16 February 2007

Purity and Identity Results:

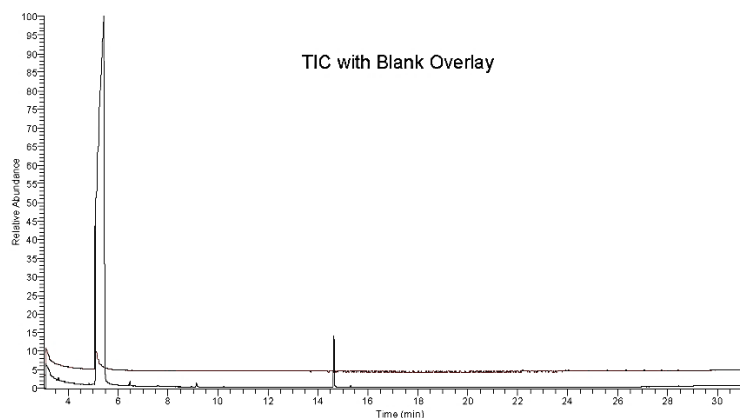
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.44	Not applicable
1,2,3-Benzotriazole	14.64	96.24
unknown	15.31	1.72
unknown	26.97	1.41

^a Peaks comprising ≥ 0.5% of total area.

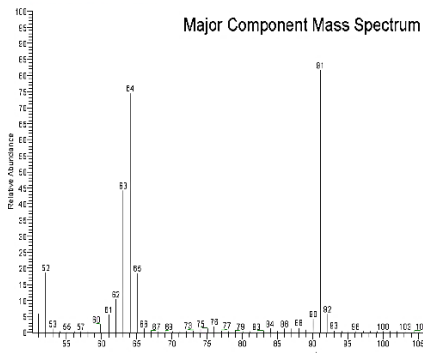
GC/MS Instrument Parameters:

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	35 – 250 amu
Injector Temperature	280°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 3G



37b18102#1330 RT: 14.64 AU: 1 NL 8.39E5
T: (0) + cEi de+300.00 Full Scan [35.00-253.33]



NIST Reference Mass Spectrum

