

Chemical Information:

Name: N,N-Dimethyl-p-toluidine
CAS No.: 99-97-8 Supplier: Sigma-Aldrich
Tox21_ID No.: Tox21_201370 Lot No.: 08708KB
NTP_CID No.: 1015 MW: 135.21 g/mol

Date of Analysis: 28 March 2007

Purity and Identity Results:

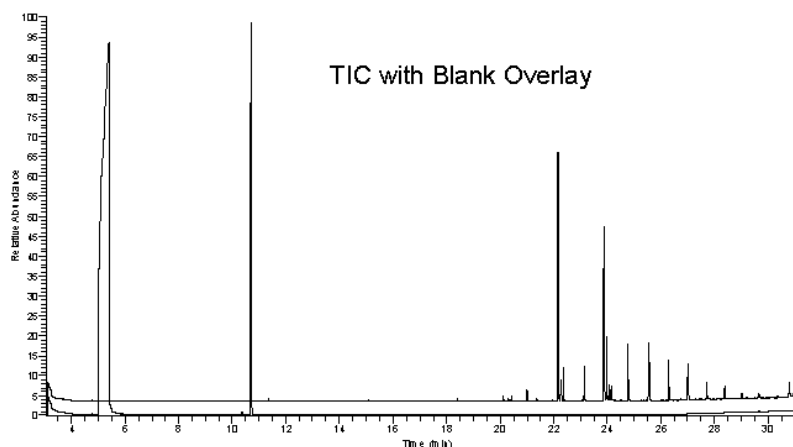
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.40	Not applicable
unknown	10.38	0.52
N,N-Dimethyl-p-toluidine	10.70	99.15

^a Peaks comprising ≥ 0.5% of total area.

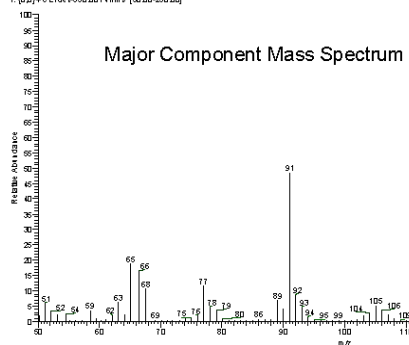
GC/MS Instrument Parameters:

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 S.M. 3G



002818 0623 RT: 10.69 AU: 1 NL: 3.8466
T: 0.0110 e-1000.00 FWHM: 100.00-200.00



NIST Reference
Mass Spectrum

