

Chemical Information:

Name: Methylenedianiline
CAS No.: 101-77-9
Tox21_ID No.: Tox21_201723
NTP_CID No.: 353

Supplier: Sigma-Aldrich
Lot No.: 18417DB
MW: 198.26 g/mol

Date of Analysis: 10 April 2007

Purity and Identity Results:

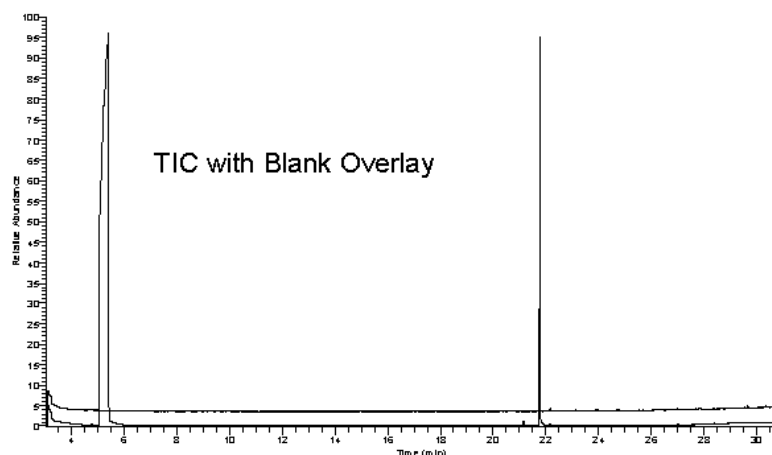
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.39	Not applicable
unknown	21.17	1.20
Methylenedianiline	21.78	98.30

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

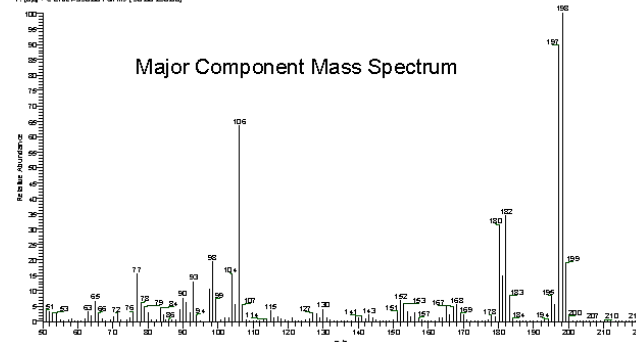
GC/MS Instrument Parameters:

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

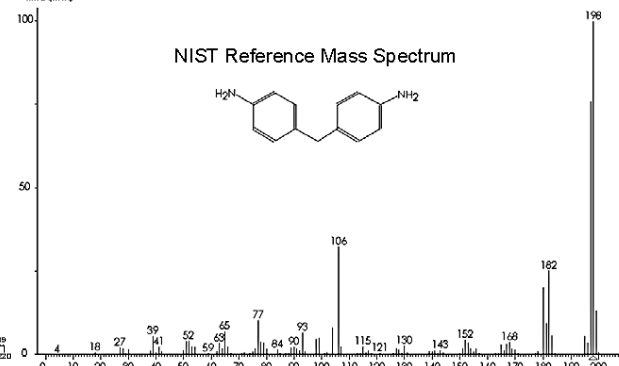
RT: 3.05-31.51 SM: 30



07410023 62263 RT: 21.78 Ac: 1 WL: 3.2566
T: 002 - c: 01 de k35000 / 01 no (50.00-250.00)



Major Component Mass Spectrum



NIST Reference Mass Spectrum

