

Chemical Information:

Name: m-Phenetidine
CAS No.: 621-33-0
Tox21_ID No.: Tox21_200997
NTP_CID No.: 991

Supplier: Sigma-Aldrich
Lot No.: 11830KD
MW: 137.18 g/mol

Date of Analysis: 28 March 2007

Purity and Identity Results:

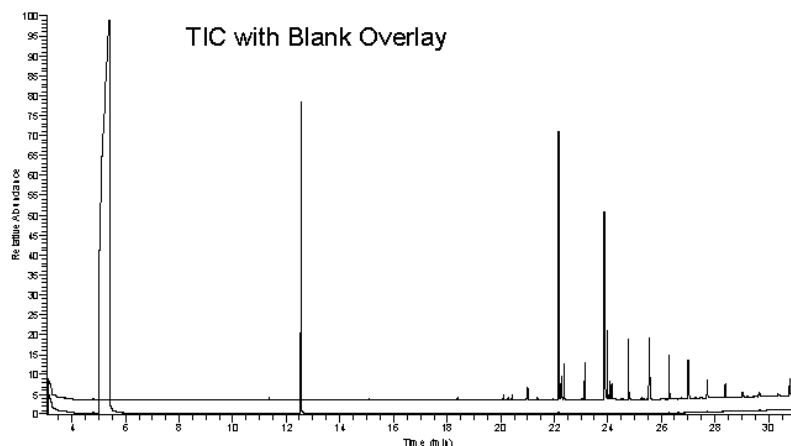
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.39	Not applicable
m-Phenetidine	12.55	99.19

^a Peaks comprising ≥ 0.5% of total area.

GC/MS Instrument Parameters:

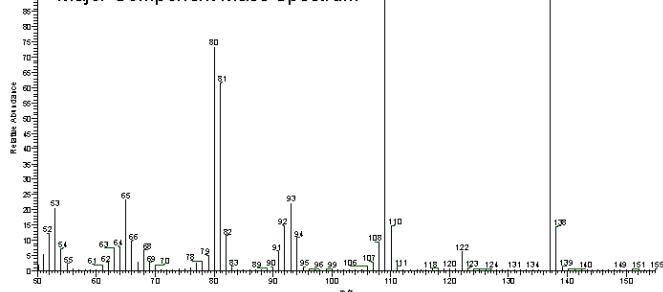
Instrument / Ionization	ThermoFinnigan TraceGC with ThermoFinnigan TraceMS / Electron Impact
Solvent	Dichloromethane (100 mM in DMSO, diluted 1/1000 with dichloromethane)
Column	J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25-μm film thickness
Carrier Gas	Helium at 1.0 mL/min
Oven Program	35°C, hold 2 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 - 31.50 SM: 30



02829 #1146 RT: 12.55 AM: 1 NL: 3.42E6
T: (D)1+0 Eide N300 DD File s (00.00-250.00)

Major Component Mass Spectrum



NIST Reference Mass Spectrum

