

Chemical Information:

Name: N,N'-Diethylthiourea

Date of Analysis: 11 July 2007

CAS No.: 105-55-5

Supplier: Sigma-Aldrich

Tox21_ID No.: Tox21_201476

Lot No.: 21229MO

NTP_CID No.: 1008

MW: 132.23 g/mol

Purity and Identity Results:

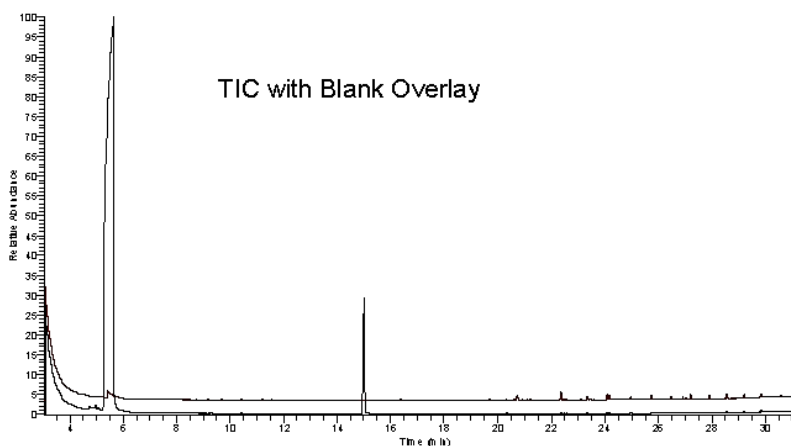
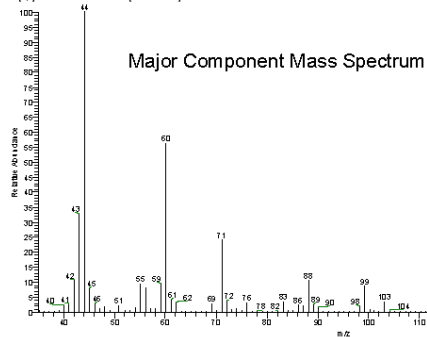
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.64	Not applicable
N,N'-Diethylthiourea	15.02	100.00

^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	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 - 31.51 SIM 35


0191004_07011232734.M3148 RT: 15.02 AU: 1 NL: 3.4185
T: (0.0) +0.010e+360.00 File: z [35.00-250.00]


NIST Reference Mass Spectrum

