

Chemical Information:

Name: Diaminomaleonitrile
CAS No.: 1187-42-4
18514-52-8

Supplier: Sigma-Aldrich

Date of Analysis: 25 September 2007

Tox21_ID No.: Tox21_200991

Lot No.: 15609AB

NTP_CID No.: 696

MW: 108.10 g/mol

Purity and Identity Results:

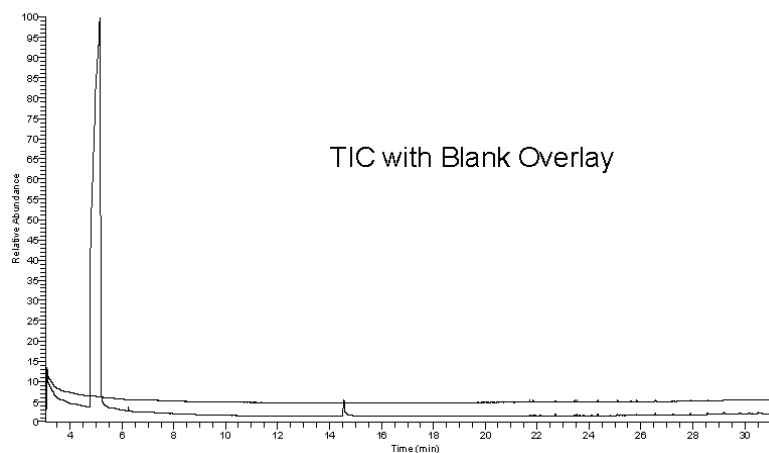
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.16	Not applicable
Diaminomaleonitrile	14.54	100.00

^a Peaks comprising ≥ 0.5% of total area.

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph / Mass Spectrometer / 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	25 – 200 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 36



07051141033 RT: 14.53 AU: 1 SB: 2 14.07, 14.04 NL: 62385
T: (513) + v: E1449-980.00 Full ms [25.00-200.00]

