

Chemical Information:

Name: 6-Methyl-2-thiouracil
CAS No.: 56-04-2
Tox21_ID No.: Tox21_201870
NTP_CID No.: 418

Date of Analysis: 14 August 2007

Supplier: Sigma-Aldrich
Lot No.: 417164/1
MW: 142.18 g/mol

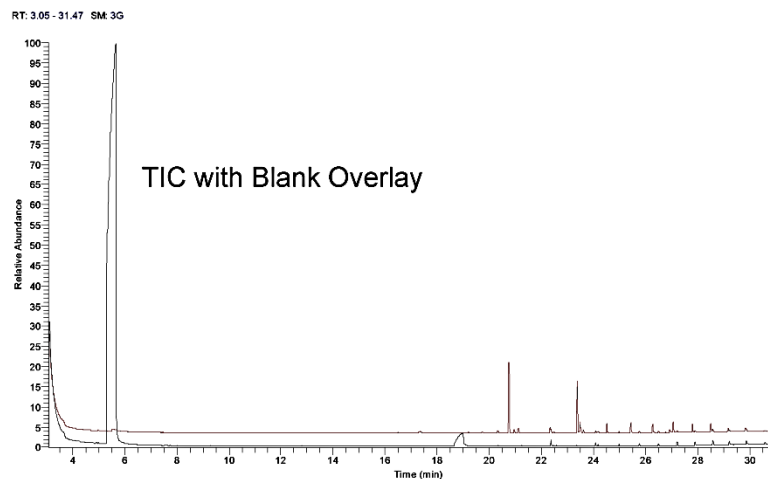
Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.65	Not applicable
6-Methyl-2-thiouracil	18.97	98.89

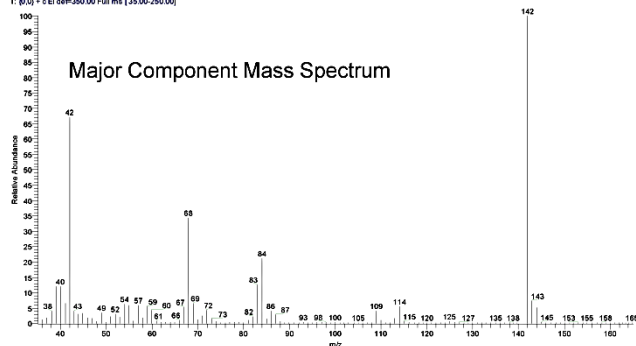
^a Peaks comprising $\geq 0.5\%$ of total area.

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	35 – 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



07H1407 #4188 RT: 18.92 AU: 1 NL: 4.41E5
T: 0.01 s EI 350.00 Full ms [35.00-250.00]



NIST Reference Mass Spectrum

