

Chemical Information:

Name: 1(2H)-Phthalazinone
CAS No.: 119-39-1
Tox21_ID No.: Tox21_200287
NTP_CID No.: 5

Date of Analysis: 16 February 2007

Supplier: Sigma-Aldrich
Lot No.: 07807MA
MW: 146.15 g/mol

Purity and Identity Results:

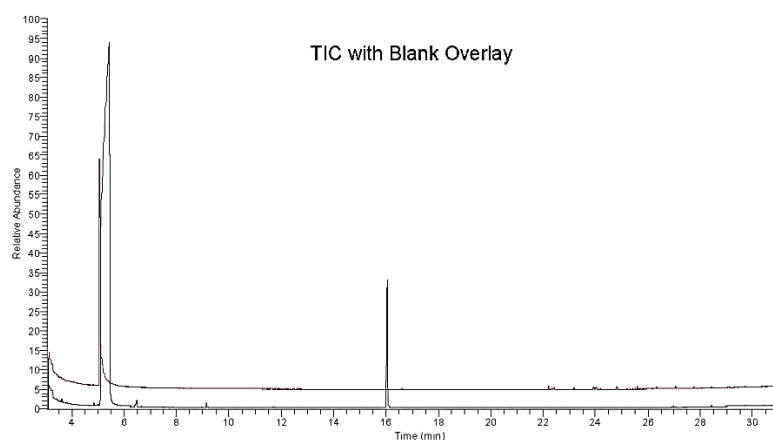
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.43	Not applicable
1(2H)-Phthalazinone	16.04	99.30
unknown	26.96	0.70

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

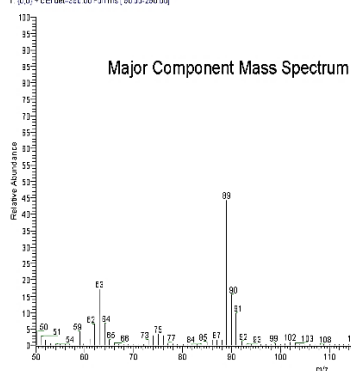
GC/MS Instrument Parameters:

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	280°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 - 31.49 SM: 3G



07/10/10#1024 RT: 16.04 AU: 1.93 2: 5.35, 16.10 NL: 2.1268
T: (L0) = c:\Ei\der\001\ms\0033-250.D



NIST Reference Mass Spectrum

