

Chemical Information:

Name: 1-Amino-2-methylantraquinone
CAS No.: 82-28-0 Supplier: Sigma-Aldrich
Tox21_ID No.: Tox21_201681 Lot No.: 11920DU
NTP_CID No.: 75 MW: 237.25 g/mol

Date of Analysis: 19 April 2007

Purity and Identity Results:

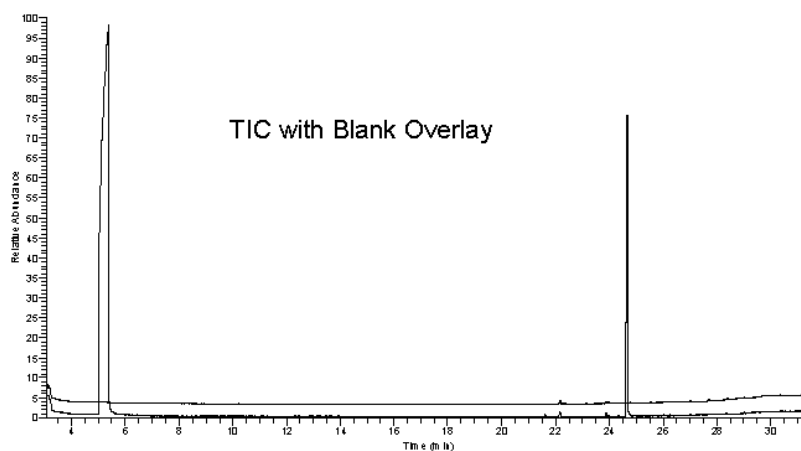
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.38	Not applicable
Unknown	21.61	0.57
1-Amino-2-methylantraquinone	24.67	99.16

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

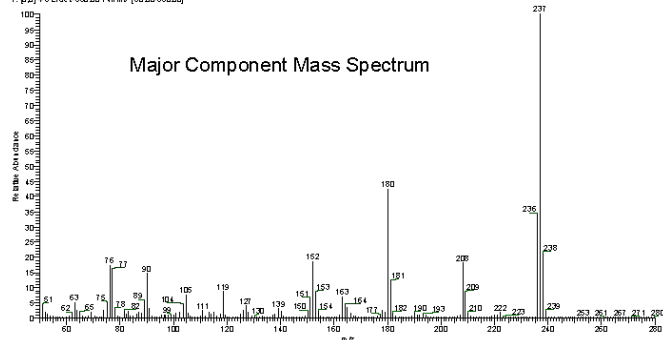
GC/MS Instrument Parameters:

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 – 350 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

RT: 3.05-31.50 SM: 3G



07/19/07 #2599 RT: 24.66 AC: 1 NL: 28965
T: 0.02 + c Elder-350.00 FID.ms [50.00-350.00]



NIST Reference Mass Spectrum

