

Chemical Information:

Name: 2-Methyl-1-nitroanthraquinone
CAS No.: 129-15-7
Tox21_ID No.: Tox21_202474
NTP_CID No.: 258

Date of Analysis: 05 October 2007

Supplier: Sigma-Aldrich
Lot No.: S110305KB-10
MW: 267.24 g/mol

Purity and Identity Results:

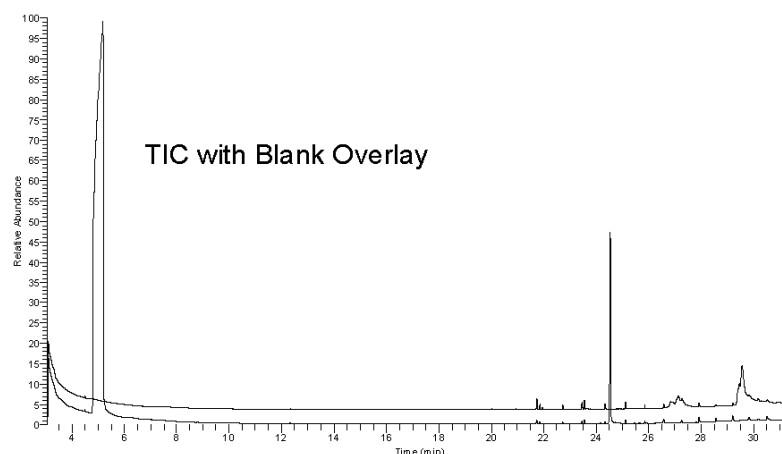
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.18	Not applicable
2-Methyl-1-nitroanthraquinone	24.54	98.99
unknown	24.73	0.63

^a Peaks comprising ≥ 0.5% of total area.

GC/MS Instrument Parameters:

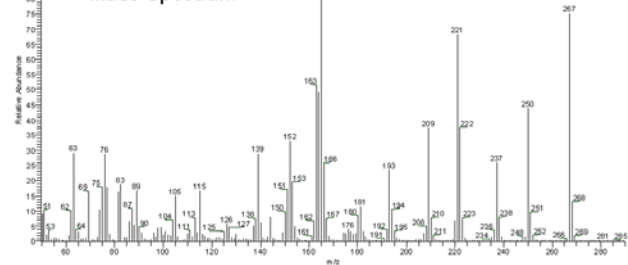
Instrument / Ionization	Gas Chromatograph / Mass Spectrometer / Electron Impact
Solvent	Dichloromethane (100 mM in DMSO, diluted 1/1000 with dichloromethane)
Column	J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25-μm film thickness
Carrier Gas	Helium at 1.0 mL/min
Oven Program	35°C, hold 2 min; ramp @ 10°C/min to 310°C, hold 2 min
Source Temperature	250°C
Auxiliary Temperature	250°C
Scan Range	50 – 350 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: 30



070542 #2583 RT: 24.53 AU: 1 NL: 1.02E6
T: 0.01 + c:\Ei\MSDC0000\Full.ms (50.00-350.00)

Major Component Mass Spectrum



NIST Reference Mass Spectrum

