

# Chemical Information:

Name: 1,8-Dihydroxy-4,5-dinitroanthraquinone  
CAS No.: 81-55-0  
Tox21\_ID No.: Tox21\_200725  
NTP\_CID No.: 69

Date of Analysis: 19 February 2007

Supplier: Sigma-Aldrich  
Lot No.: 01730JU  
MW: 330.21 g/mol

## Purity and Identity Results:

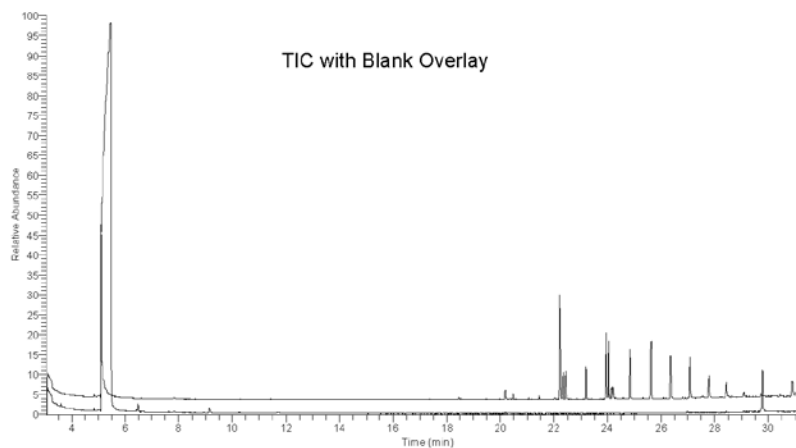
Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
DMSO	5.46	Not applicable
1,8-Dihydroxy-4,5-dinitroanthraquinone	29.78	100.00

<sup>a</sup> 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- $\mu$ 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 – 450 amu
Injector Temperature	280°C
Injection Volume / Mode	2 $\mu$ 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: 5.05 - 31.49 SM 9G



07/15/06 #3213 RT: 29.78 Ac: 1 SE: 3 29.53-29.80 NL: 1 54E5  
T: 0.03 s E: 0.000000 Full ms [50.00-450.00]

