

# Chemical Information:

Name: 1,8-Cineole  
CAS No.: 470-82-6  
Tox21\_ID No.: Tox21\_202090  
NTP\_CID No.: 68

Supplier: Sigma-Aldrich  
Lot No.: 1054365  
MW: 154.25 g/mol

Date of Analysis: 16 February 2007

# Purity and Identity Results:

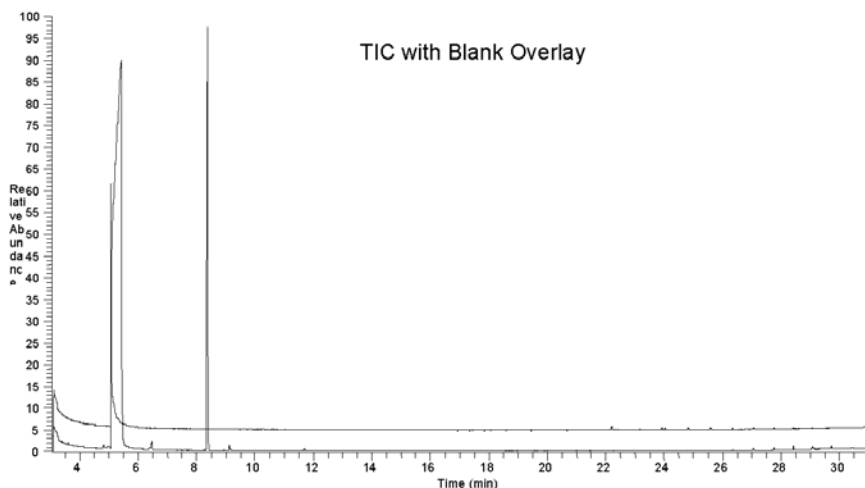
Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
DMSO	5.43	Not applicable
1,8-Cineole	8.37	99.90

<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 – 250 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: 3.05 - 31.49 SM: 3G



07/16/07 06:09 RT: 8.37 AU: 1.58 3.031 0.42 NL: 1.2766  
T: 0.01 - 0.01 exp: 500.00 File: ms (50.00-350.00)

