

# Chemical Information:

Name: Pinane  
CAS No.: 473-55-2  
Tox21\_ID No.: Tox21\_202039  
NTP\_CID No.: 1200

Supplier: Sigma-Aldrich  
Lot No.: 365015/1  
MW: 138.25 g/mol

Date of Analysis: 10 July 2007

# Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
DMSO	5.64	Not applicable
Pinane	7.44	7.93
Pinane	7.63	91.52

<sup>a</sup> Peaks comprising ≥ 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-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	35 – 250 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: 3.05-31.46 SM:30

