

Chemical Information:

Name: 2-Ethyl-1,3-hexanediol
 CAS No.: 94-96-2
 Tox21_ID No.: Tox21_202003
 NTP_CID No.: 241
 Supplier: Sigma-Aldrich
 Lot No.: 13917HB
 MW: 146.23 g/mol

Date of Analysis: 21 August 2007

Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.64	Not applicable
2-Ethyl-1,3-hexanediol	11.36	42.04
2-Ethyl-1,3-hexanediol	11.46	56.03
unknown	15.05	0.78

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

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with 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- 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 – 200 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

