

Chemical Information:

Name: Dimethoxane
CAS No.: 828-00-2
Tox21_ID No.: Tox21_202123
NTP_CID No.: 739

Supplier: Sigma-Aldrich
Lot No.: 07211TB
MW: 174.19 g/mol

Date of Analysis: 06 December 2007

Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	13.62	Not applicable
unknown	23.70	1.57
Dimethoxane	23.89	18.16
unknown	24.16	1.08
Dimethoxane	24.33	79.18

^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	25 – 150 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

