

Chemical Information:

Name: Ethylene glycol
CAS No.: 107-21-1
Tox21_ID No.: Tox21_202038
NTP_CID No.: A-003832

Supplier: Unknown
Lot No.: A-003832
MW: 62.07 g/mol

Date of Analysis: 30 August 2007

Purity and Identity Results:

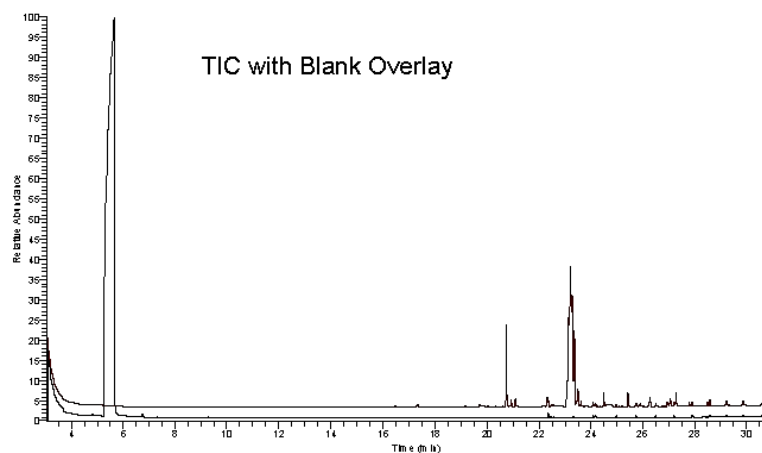
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Ethylene glycol	4.83	100.00
DMSO	5.65	Not applicable

^a Peaks comprising ≥ 0.5% of total area.

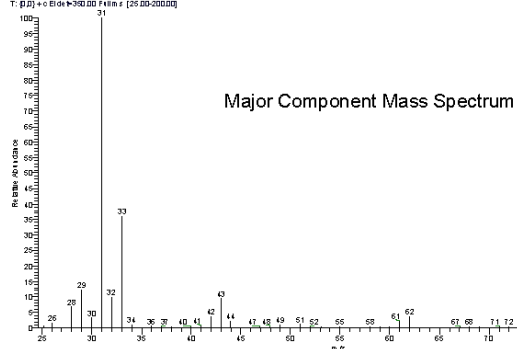
GC/MS Instrument Parameters:

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	25 – 200 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: 3.05-31.48 SM: 36



DTA30001.M219 RT: 4.83 SEC: 1.58-2.45 NL: 130E4
T: (p2) +0.0104-3.0000 File: s (25.00-300.00)



NIST Reference Mass Spectrum

