

Chemical Information:

Name: Ethyl methanesulfonate
CAS No.: 62-50-0 Supplier: Sigma-Aldrich
Tox21_ID No.: Tox21_200006 Lot No.: 053K1647
NTP_CID No.: 790 MW: 124.16 g/mol

Date of Analysis: 24 October 2007

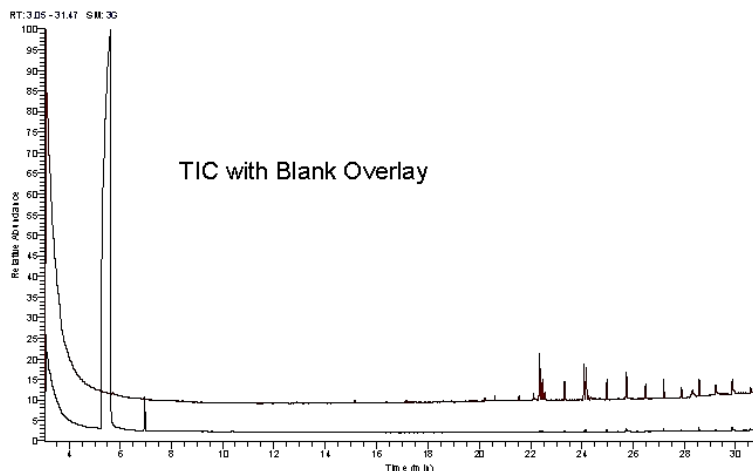
Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.62	Not applicable
Ethyl methanesulfonate	6.95	98.39

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

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph / 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 – 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



012507 #03 RT: 6.94 AU: 1 SR: 2.632.709 NL: 1.5866
T: (0.0) e+05 (0.00) F438 e (25.00-200.00)

