

Chemical Information:

Name: Triethyl phosphate
CAS No.: 78-40-0
Tox21_ID No.: Tox21_202463
NTP_CID No.: 1374

Supplier: Sigma-Aldrich
Lot No.: 14002LC
MW: 182.15 g/mol

Date of Analysis: 23 August 2007

Purity and Identity Results:

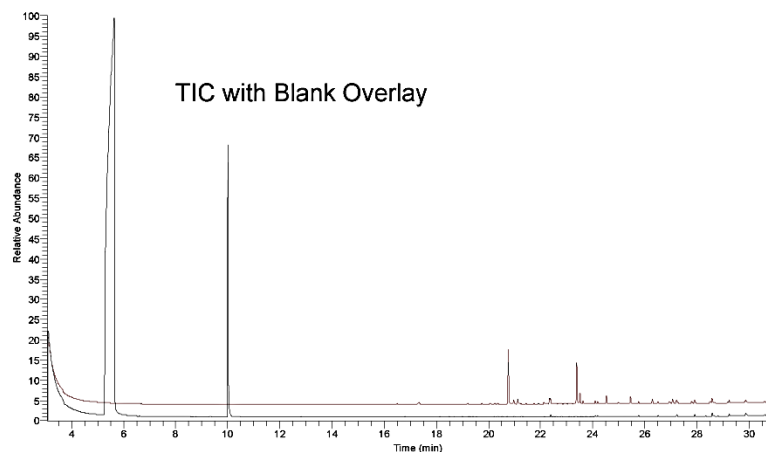
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.64	Not applicable
Triethyl phosphate	10.01	99.50

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

GC/MS Instrument Parameters:

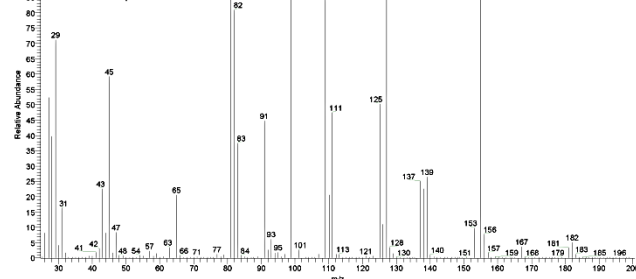
Instrument / Ionization	ThermoFinnigan TraceGC with ThermoFinnigan TraceMS / Electron Impact
Solvent	Dichloromethane (100 mM in DMSO, diluted 1/1000 with dichloromethane)
Column	J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25- μ m film thickness
Carrier Gas	Helium at 1.0 mL/min
Oven Program	35°C, hold 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

RT: 3.05 - 31.50 SM: 3G



07/23/07 #841 RT: 10.01 AU: 1 NL: 4.32E9
T: (0.0) - c:\e\de\p350.00 Full.ms [25.00-200.00]

Major Component Mass Spectrum



NIST Reference Mass Spectrum

