

Chemical Information:

Name: p-Toluic acid
CAS No.: 99-94-5
Tox21_ID No.: Tox21_201091
NTP_CID No.: 1240

Supplier: Sigma-Aldrich
Lot No.: 06321AD
MW: 136.15 g/mol

Date of Analysis: 16 April 2007

Purity and Identity Results:

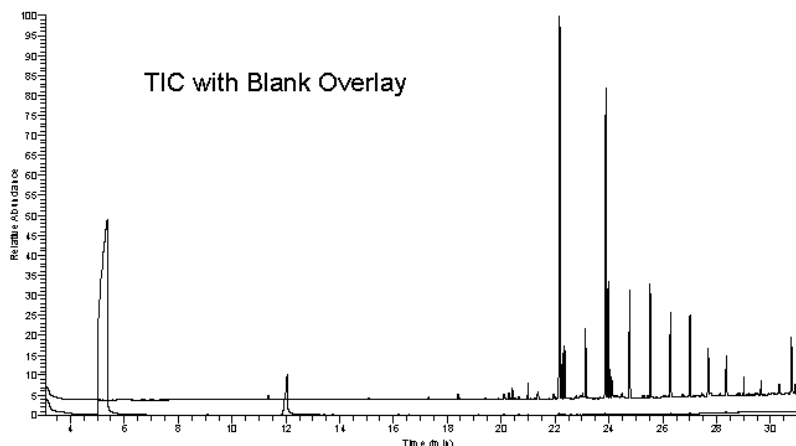
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.37	Not applicable
p-Toluic acid	12.05	99.26

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

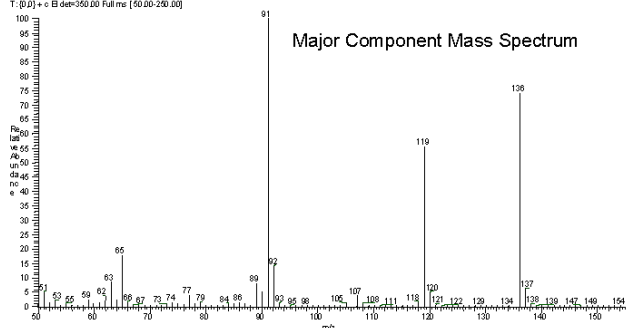
GC/MS Instrument Parameters:

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	50 – 250 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 - 31.49 SM: 3G



0741069#1086 RT: 12.05 AU: 1.58E5
T: (0.0) + c E: det=350.00 Full ms (50.00-250.00)



NIST Reference Mass Spectrum

