

Chemical Information:

Name: Trimethoprim
CAS No.: 738-70-5
Tox21_ID No.: Tox21_200157
NTP_CID No.: 1377

Supplier: Sigma-Aldrich
Lot No.: 035K127
MW: 290.32 g/mol

Date of Analysis: 18 April 2007

Purity and Identity Results:

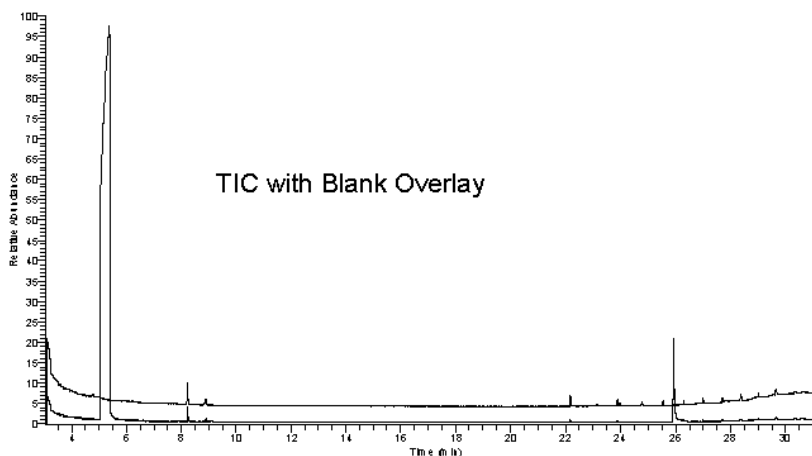
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.39	Not applicable
Trimethoprim	5.94	100.00

^a Peaks comprising ≥ 0.5% of total area.

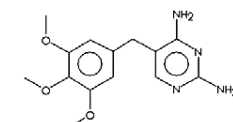
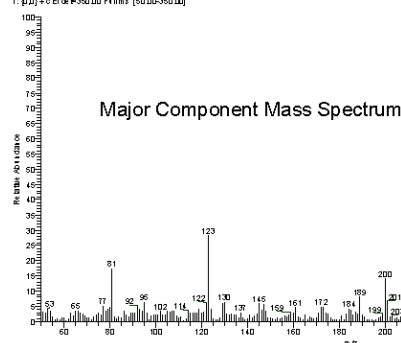
GC/MS Instrument Parameters:

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	50 – 250 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 - 31.49 SM: 3G



07-01804 #2752 RT: 25.94 AU: 1 NL: 4.87 BS
T: (B) + e- Elect-350.00 Filtr: (50.00-350.00)



NIST Reference Mass Spectrum

