

Chemical Information:

Name: Phenylglyoxal
CAS No.: 1074-12-0
Tox21_ID No.: Tox21_200277
NTP_CID No.: 1188

Date of Analysis: 02 October 2007

Supplier: Sigma-Aldrich
Lot No.: 1054051
MW: 134.13 g/mol

Purity and Identity Results:

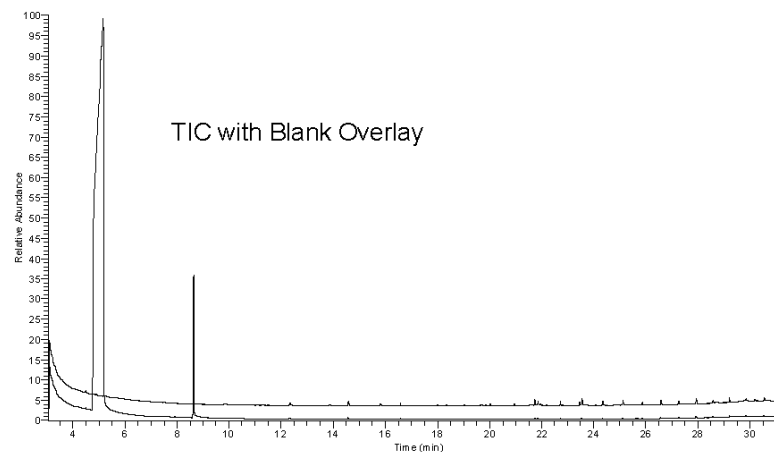
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.17	Not applicable
Phenylglyoxal	8.63	99.10

^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	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: 30



07/20/05 #075 RT: 8.63 AU: 1 NL: 2.91E6
T: (0.01) + 0.01 646-350.00 Full MS (100-250.00)

