

Chemical Information:

Name: p-Nitroacetophenone
CAS No.: 100-19-6
Tox21_ID No.: Tox21_200265
NTP_CID No.: 1205

Supplier: Sigma-Aldrich
Lot No.: 01823MA
MW: 165.15 g/mol

Date of Analysis: 10 July 2007

Purity and Identity Results:

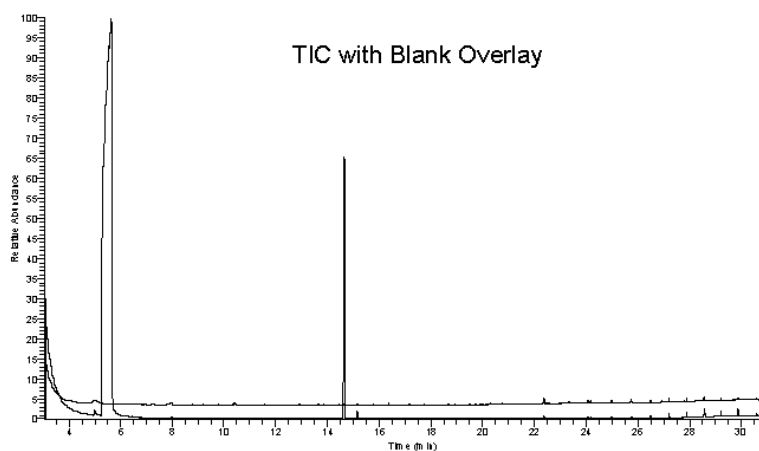
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.64	Not applicable
p-Nitroacetophenone	14.64	97.30
unknown	15.14	2.51

^a Peaks comprising ≥ 0.5% of total area.

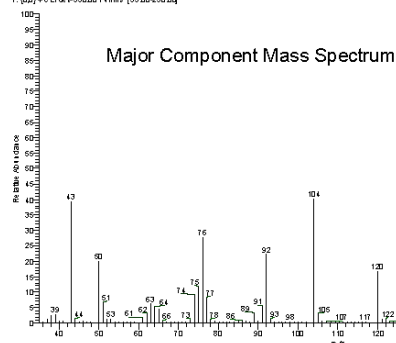
GC/MS Instrument Parameters:

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	35 – 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 - 31.51 SM: 30



DT1013170039 RT: 14.63 AUC: 1 NL: 4.5605
T: (0.0) v: 0.000000 Peaks: (95.00-95.00)



NIST Reference
Mass Spectrum

