

Chemical Information:

Name: Quinoline

CAS No.: 91-22-5

Tox21_ID No.: Tox21_201478

NTP_CID No.: 1252

Supplier: Sigma-Aldrich

Lot No.: 00630TC

MW: 132.20 g/mol

Date of Analysis: 16 April 2007

Purity and Identity Results:

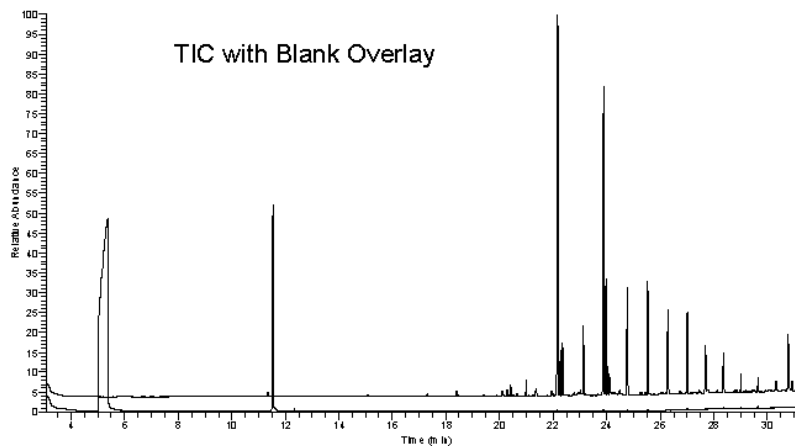
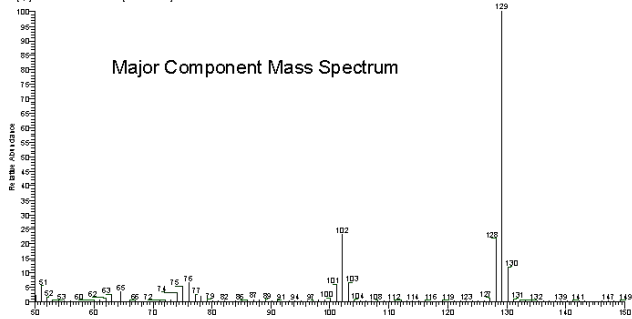
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.37	Not applicable
Quinoline	11.52	100.00

^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


DT: 01606 F1020 RT: 11.50 Ac: 1 SE: 2.1147, 11.61 NL: 32366
T: (U) + c: 01606-300.00 F1020 [50.00-250.00]


NIST Reference Mass Spectrum

