

Chemical Information:

Name: Carbazole

Date of Analysis: 02 October 2007

CAS No.: 86-74-8

Supplier: Sigma-Aldrich

Tox21_ID No.: Tox21_201703

Lot No.: 1114884

NTP_CID No.: 593

MW: 167.21 g/mol

Purity and Identity Results:

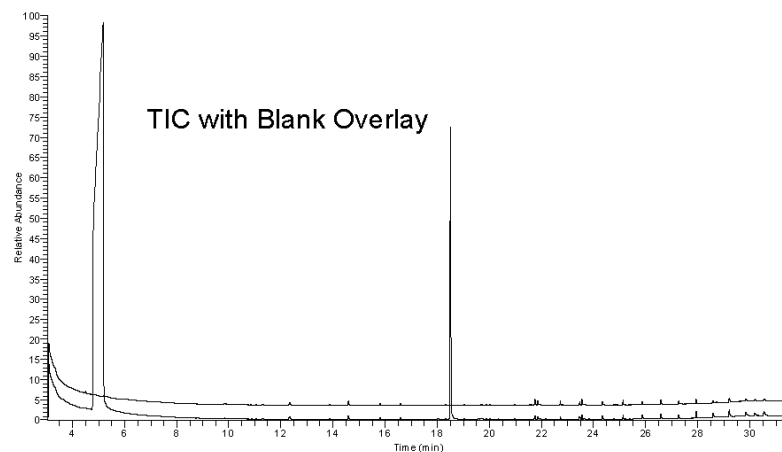
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.18	Not applicable
Carbazole	18.50	99.44

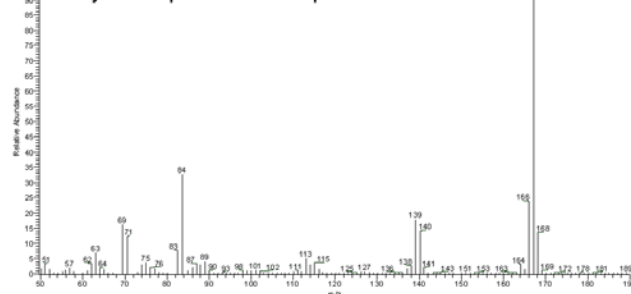
^a Peaks comprising ≥ 0.5% of total area.

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-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: 30


07/02/05 #1962 RT: 18.52 AU: 1 SB: 2 18.43, 18.75 NL: 2 4866
T: (D.D) + c (1) det=250.00 Full.ms [50.00-250.00]

Major Component Mass Spectrum

NIST Reference Mass Spectrum
