

# Chemical Information:

Name: 2-Biphenylamine  
CAS No.: 90-41-5  
Tox21\_ID No.: Tox21\_200959  
NTP\_CID No.: 222

Supplier: Sigma-Aldrich  
Lot No.: 21421HA  
MW: 169.22 g/mol

Date of Analysis: 5 Apr 2007

# Purity and Identity Results:

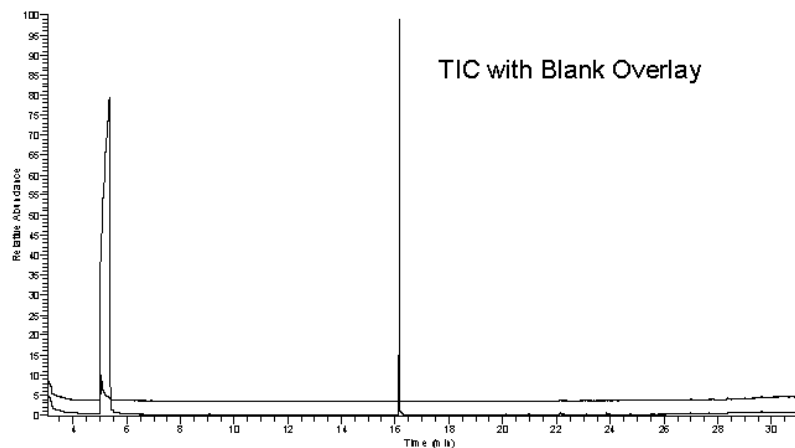
Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
DMSO	5.36	Not applicable
2-Biphenylamine	16.16	99.64

<sup>a</sup> Peaks comprising  $\geq 0.5\%$  of total area.

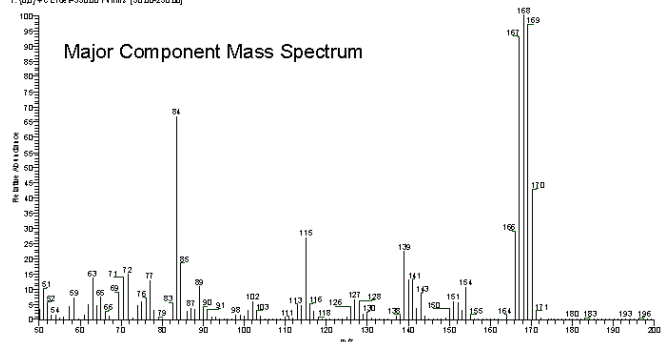
# GC/MS Instrument Parameters:

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- $\mu$ 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 $\mu$ 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



01-005117 #1679 RT: 16.16 AM: 1 N.L. 3.9905  
T: (00) - c E106-35000 P11112 (50.00-250.00)



# NIST Reference Mass Spectrum

