

Chemical Information:

Name: 2-Amino-4-methylbenzothiazole
CAS No.: 177-42-5 Supplier: Sigma-Aldrich
Tox21_ID No.: Tox21_200233 Lot No.: 15017JR
NTP_CID No.: 208 MW: 164.23 g/mol

Date of Analysis: 5 Apr 2007

Purity and Identity Results:

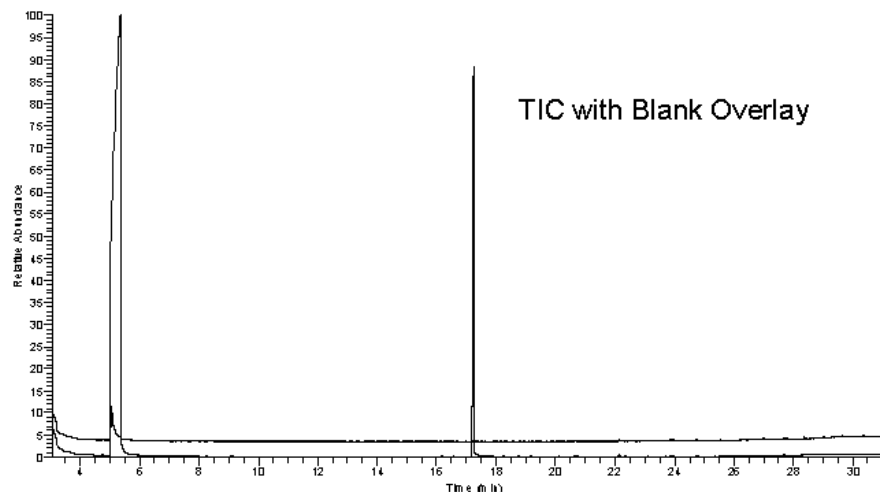
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.36	Not applicable
2-Amino-4-methylbenzothiazole	17.23	99.41

^a Peaks comprising $\geq 0.5\%$ of total area.

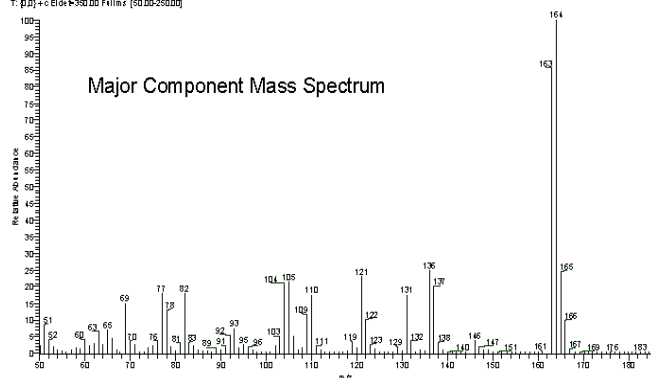
GC/MS Instrument Parameters:

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- 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 - 31.48 SM: 3G



0705101707 RT: 17.23 AC: 1 NL: 35666
T: (p2) + c10d4 + 390.00 F111111 [50.00-250.00]



NIST Reference Mass Spectrum

