

### Chemical Information:

Name: 2-Amino-5-nitrothiazole  
CAS No.: 121-66-4  
Tox21\_ID No.: Tox21\_202377  
NTP\_CID No.: 215

Date of Analysis: 21 August 2007

Supplier: Sigma-Aldrich  
Lot No.: 09110BC  
MW: 145.14 g/mol

### Purity and Identity Results:

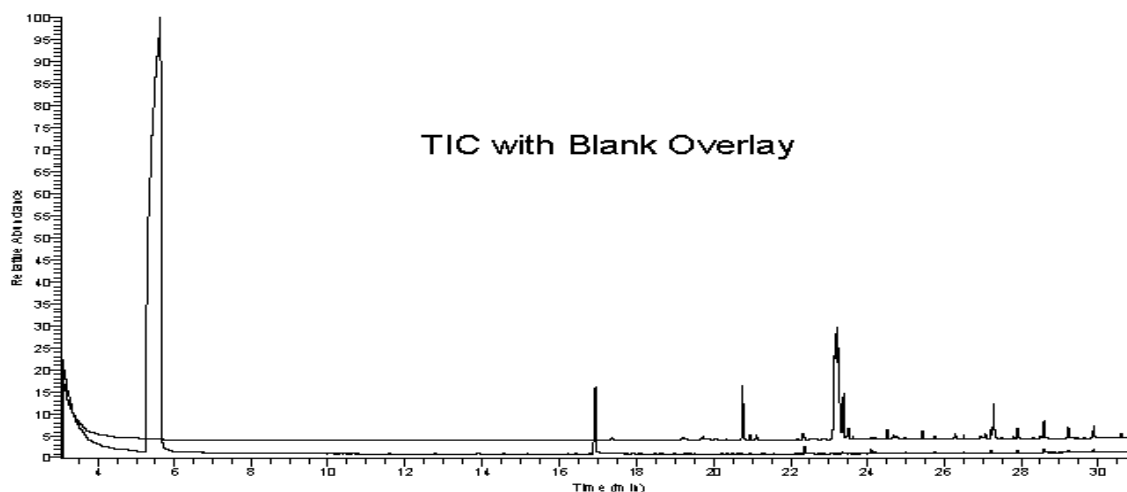
Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
DMSO	5.63	Not applicable
2-Amino-5-nitrothiazole	16.93	100.00

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

### GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with 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- $\mu$ 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	25 – 200 amu
Injector Temperature	250°C
Injection Volume / Mode	2 $\mu$ L / Splitless
Data Analysis Software	Xcalibur, v 1.2 and NIST Library v 1.7, build 11/5/1999

RT: 3.05 - 31.49 SM: 36



07/21/07 16:17:11 RT: 16.93 AC: 1 NL: 20466  
T: (pD) +0.00 Elide 390.00 Filter: s (25.00-200.00)

