

# Chemical Information:

Name: 2-(2-Methylpropyl) thiazole  
CAS No.: 18640-74-9 Supplier: Sigma-Aldrich  
Tox21\_ID No.: Tox21\_200301 Lot No.: 05906TO  
NTP\_CID No.: 99 MW: 141.23 g/mol

Date of Analysis: 29 March 2007

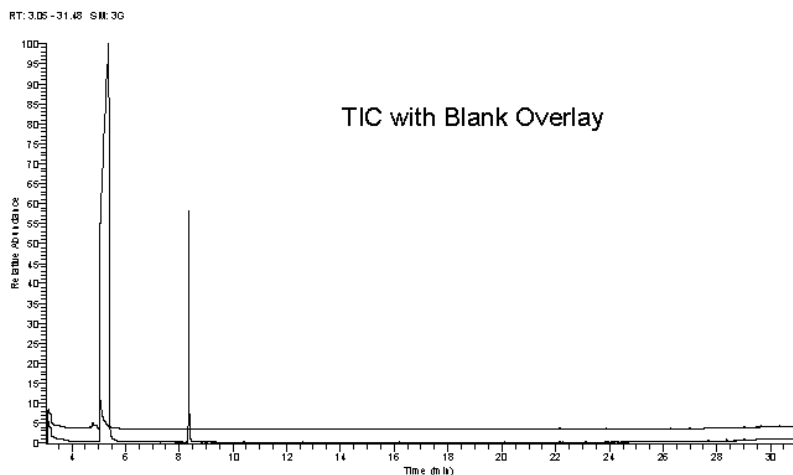
# Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
DMSO	5.37	Not applicable
2-(2-Methylpropyl) thiazole	8.35	99.53

<sup>a</sup> 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



01-29-07 06:40 RT: 8.33 AU: 1.58: 2.931, 8.43 NL: 3.27 B5  
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