

Chemical Information:

Name: 4-Methylimidazole

Date of Analysis: 01 July 2009

CAS No.: 822-36-6

Supplier: Sigma-Aldrich

Tox21_ID No.: Tox21_201048

Lot No.: 10012PH

NTP_CID No.: 384

MW: 82.10 g/mol

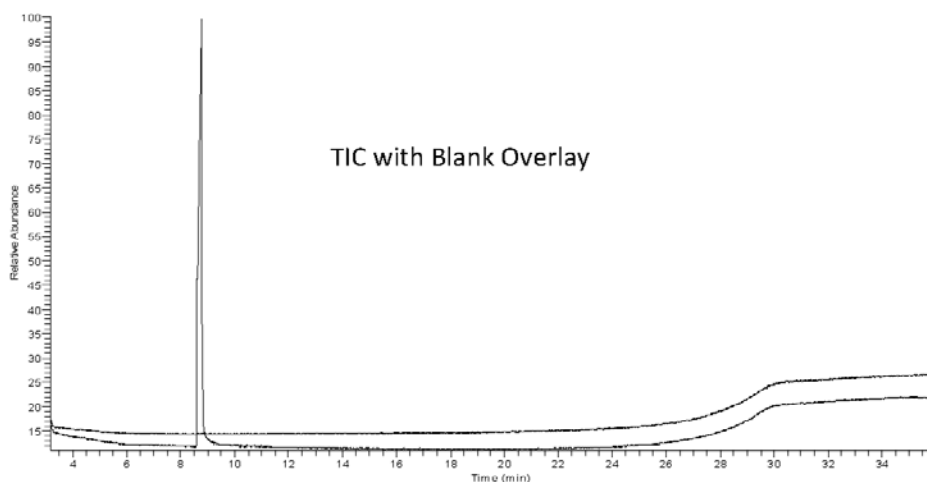
Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
4-Methylimidazole	8.79	100.00

^a Peaks comprising ≥ 0.5% of total area.

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Ethanol (~ 1 mg/mL)
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 7 min
Source Temperature	250°C
Auxiliary Temperature	250°C
Scan Range	25 – 500 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μL / Split (100:1)
Run Time	36.5 minutes
Data Analysis Software	Xcalibur ver 1.2 and NIST Library ver 2.0f, build 10/8/2008



(0g/101) #653 RT: 8.60 min. SD: 2.836, 6.91 NL: 4.595
 T1: (0.0) + 0.00 min/0.00 min/0.00 min/0.00 min/0.00 min

