

Chemical Information:

Name: Tolytriazole
 CAS No.: 29385-43-1
 Tox21_ID No.: Tox21_201321
 NTP_CID No.: 2510

Date of Analysis: 15 April 2010

Supplier: TCI America
 Lot No.: GK01
 MW: 133.15 g/mol

Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
4-Methyl-1H-benzotriazole (CAS# 29878-31-7)	16.28	31.41
5-Methyl-1H-benzotriazole (CAS# 136-85-6)	16.79	68.59

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

Note: Per CoA, mixture of methyl-1H-benzotriazole isomers.

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Dichloromethane (~ 1 mg/mL)
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 7 min
Source Temperature	230°C
Auxiliary Temperature	250°C
Scan Range	25 – 500 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μ L / Split (100:1)
Data Analysis Software	MSD ChemStation v E.02.00.SP2, and NIST Library v 2.0, build 7/23/2008

