

Chemical Information:

Name: 2-Mercaptobenzimidazole
CAS No.: 583-39-1 Supplier: Sigma Aldrich
Tox21_ID No.: Tox21_201828 Lot No.: 20323HC
NTP_CID No.: 256 MW: 150.20 g/mol

Date of Analysis: 17 July 2009

Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
2-Mercaptobenzimidazole	13.64	100

^a Peaks comprising ≥ 0.5% of total area.

LC/MS Instrument Parameters:

Instrument / Ionization	Micromass Quattro II with Shimadzu HPLC / ESI-
Solvent	Methanol
Column	Grace HP C18-AQ, 5 µm, 250 mm x 2.1 mm ID
Injection Volume	20 µL
Mobile Phase	Water (A) / acetonitrile (B)
Program / Flow Rate	95/5 A/B for 1 minute; 10/90 in 20 minutes, hold 1 minute / 0.2 mL/minute
Cone / Corona	40 V / 3.0 kV
Source Temperature	140°C
Probe Temperature	325°C
Scan Range	85 – 1400 amu
Acquisition Software	MassLynx, v 4.0

