

Chemical Information:

Name: 1H-Isoindole-1,3(2H)-dione, 2-(hydroxymethyl)-
CAS No.: 118-29-6 Supplier: Sigma-Aldrich
Tox21_ID No.: Tox21_200859 Lot No.: 10124HC
NTP_CID No.: 2714 MW: 177.16 g/mol

Date of Analysis: 16 April 2010

Purity and Identity Results:

Peak Identity ^a	Retention Time (min)	Purity (% Total Area) ^b	Peak Identity ^a	Retention Time (min)	Purity (% Total Area) ^b
CAS# 118-29-6	15.01	23.15	unknown	28.50	1.53
CAS# 118-29-6	16.11	12.71	unknown	28.51	1.71
CAS# 118-29-6	16.77	57.59	unknown	28.58	0.94
unknown	19.98	2.38			

^a Three components were identified as 1H-Isoindole-1,3(2H)-dione, 2-(hydroxymethyl)- (CAS# 118-29-6), based on mass spectra. Due to the limited scope of the analysis, the purity is reported as the total of the three components, 93.45%.

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

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Dichloromethane
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	250°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	Xcalibur v 1.2, and NIST Library v 2.0f, build 10/08/2008

