

### Chemical Information:

Name: 9-Octadecenoic acid, 12-hydroxy-, methyl ester, (9Z,12R)-  
CAS No.: 141-24-2 Supplier: Sigma-Aldrich  
Tox21\_ID No.: Tox21\_200861 Lot No.: 127K1172  
NTP\_CID No.: 3608 MW: 312.49 g/mol

Date of Analysis: 07 August 2015

### Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
Ethanol	1.50	Not Applicable
9-Octadecenoic acid, 12-hydroxy-, methyl ester, (9Z,12R)-	41.99	100.00

<sup>a</sup> Peaks comprising ≥ 0.5% of total area.

### GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Ethanol (0.4 mg/mL)
Column	Rtx-5 MS, 30 m x 0.25 mm ID, 1-μm film thickness
Carrier Gas	Helium at 2.0 mL/min
Oven Program	50°C, hold 0 min; ramp @ 5°C/min to 320°C, hold 5 min
Source Temperature	230°C
Auxiliary Temperature	250°C
Scan Range	40 – 500 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μL / Split (10:1)
Run Time	59.0 minutes
Data Analysis Software	MassHunter GC/MS Acquisition B.07.02.1938 / Chemstation Enhanced Data Analysis F.01.01.2317 / NIST Library Version 2.2 Build 2014

