

### Chemical Information:

Name: 2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol  
 CAS No.: 27813-02-1 Supplier: Sigma-Aldrich  
 Tox21\_ID No.: Tox21\_201232 Lot No.: 04726CJ  
 NTP\_CID No.: 2498 MW: 144.17 g/mol

Date of Analysis: 21 December 2009

### Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol	9.39	79.06
2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol	9.46	20.76

<sup>a</sup> Peaks comprising ≥ 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-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	230°C
Auxiliary Temperature	250°C
Scan Range	25 – 500 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μL / Split (100:1)
Data Analysis Software	MSD Chemstation, v D.03.00.SP1 and NIST Library v 2.0f, build 10/8/2008

