

**Chemical Information:**

Name: 1-O-Methylglycerol  
CAS No.: 623-39-2  
Tox21\_ID No.: Tox21\_202859  
NTP\_CID No.: 6258

Supplier: Sigma Aldrich  
Lot No.: 10402CU  
MW: 106.12 g/mol

Date of Analysis: 21 March 2017

**Purity and Identity Results:**

Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
Unknown	7.32	2.82
1-O-Methylglycerol	11.14	96.13
Unknown	11.98	0.56

<sup>a</sup> Peaks comprising  $\geq 0.5\%$  of total area.

**GC/MS Instrument Parameters:**

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Methanol
Column	Restek Rtx-5MS with Integra-Guard, 30 m x 0.25 mm ID, 1- $\mu$ 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	10 – 120 amu
Injector Temperature	250°C
Injection Volume / Mode	1 $\mu$ L / Splitless
Data Analysis Software	MassHunter GC/MS Acquisition B.07.02.1938 / MassHunter Qualitative Analysis B.07.00 Build 7.0.7024.0 / NIST Library Version 2.2 Build 2014

x10<sup>6</sup> + TIC Scan 20170321\_MSD11\_003.D

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