

Chemical Information:

Name: 3-(Trimethoxysilyl)propyl methacrylate Date of Analysis: 14 June 2016
CAS No.: 2530-85-0 Supplier: Sigma-Aldrich
Tox21_ID No.: Tox21_201739 Lot No.: 00901DJ
NTP_CID No.: 3655 MW: 248.35 g/mol

Purity and Identity Results:

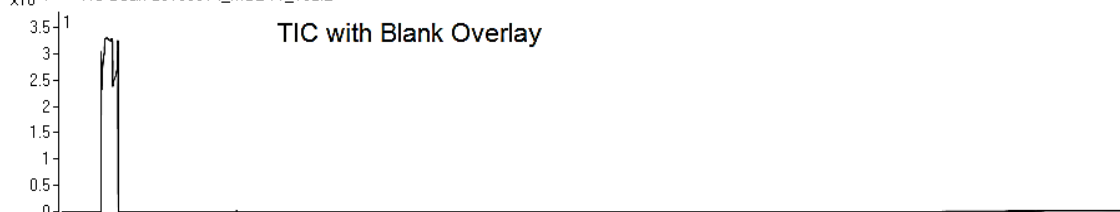
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
3-(Trimethoxysilyl)propyl methacrylate	27.92	99.51

^a Peaks comprising ≥ 0.5% of total area.

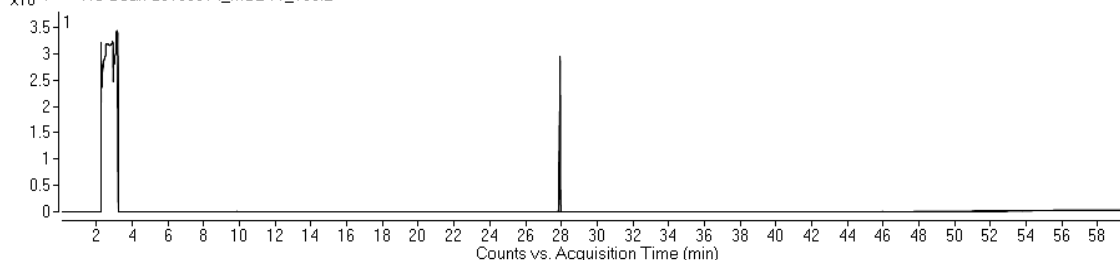
GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Acetone
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 315°C, hold 5 min
Source Temperature	230°C
Auxiliary Temperature	250°C
Scan Range	40 – 550 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μL / Split (100:1)
Data Analysis Software	MSD ChemStation, ver F.01.01.2317, NIST Library ver 2.2f, build Dec 2014

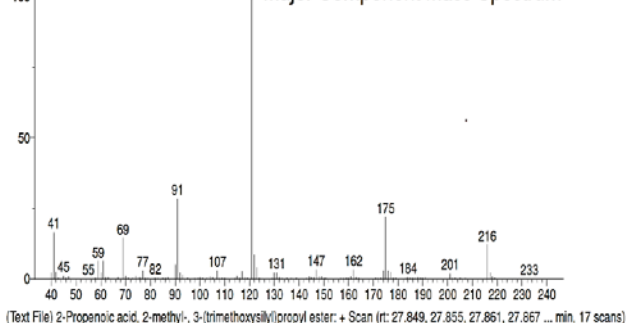
x10⁷ + TIC Scan 20160614_MSD11_102.D



x10⁷ + TIC Scan 20160614_MSD11_108.D



Major Component Mass Spectrum



Hit 1 : 2-Propenoic acid, 2-methyl-, 3-(trimethoxysilyl)propyl ester
C10H18O5S; MF: 913; RMF: 913; Prob 98.7%; CAS: 2530-85-0; Lib: mainlib; ID: 04177

