

# Glycerol, 1-C13, 2-C15, TMS

**Inchi:** InChI=1S/C34H72O3Si/c1-6-8-10-12-14-16-18-19-21-23-25-27-29-31-36-34(33-37-38(3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72)/O3)Si

**InchiKey:** XNXNPKHTPRBNHK-UHFFFAOYSA-N

**Formula:** C34H72O3Si

**SMILES:** CCCCCCCCCCCCCCOC(COCCCCCCCCCCCCC)CO[Si](C)(C)C

**Mol. weight [g/mol]:** 557.02

## Physical Properties

Property code	Value	Unit	Source
log10ws	-9.48		Crippen Method
logp	11.642		Crippen Method
rinpol	3339.00		NIST Webbook

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R398462&Units=SI>

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](https://www.chemeo.com/doc/models/crippen_log10ws)

## Legend

**log10ws:** Log10 of Water solubility in mol/l

**logp:** Octanol/Water partition coefficient

**rinpol:** Non-polar retention indices

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<https://www.chemeo.com/cid/33-347-0/Glycerol-1-C13-2-C15-TMS.pdf>

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