

# 2-ketoglutaric acid oxime, tri-TMS

**Other names:** 2-Ketoglutaric acid ho-tms  
2-Ketopentanedioic acid ho-tms

**Inchi:** InChI=1S/C14H31NO5Si3/c1-21(2,3)18-13(16)11-10-12(15-20-23(7,8)9)14(17)19-22(4,5

**InchiKey:** BZEWGWAWDLBKEY-UHFFFAOYSA-N

**Formula:** C14H31NO5Si3

**SMILES:** C[Si](C)(C)ON=C(CCC(=O)O[Si](C)(C)C)C(=O)O[Si](C)(C)C

**Mol. weight [g/mol]:** 377.66

## Physical Properties

Property code	Value	Unit	Source
log10ws	3.20		Crippen Method
logp	3.730		Crippen Method
rinpol	1644.00		NIST Webbook
rinpol	1631.00		NIST Webbook
rinpol	1645.00		NIST Webbook
rinpol	1645.00		NIST Webbook
rinpol	1644.00		NIST Webbook
rinpol	1627.00		NIST Webbook
rinpol	1633.00		NIST Webbook
rinpol	1644.00		NIST Webbook
rinpol	1633.00		NIST Webbook
rinpol	1627.00		NIST Webbook
rinpol	1633.00		NIST Webbook

## Sources

**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

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

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=U332265&Units=SI>

# Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**rinpol:** Non-polar retention indices

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