

# 3-Ketoglutaric acid, TMS # 2

**Inchi:** InChI=1S/C11H22O5Si2/c1-17(2,3)15-10(13)7-9(12)8-11(14)16-18(4,5)6/h7-8H2,1-6H3  
**InchiKey:** VHJHGMYOQZZFLL-UHFFFAOYSA-N  
**Formula:** C11H22O5Si2  
**SMILES:** C[Si](C)(C)OC(=O)CC(=O)CC(=O)O[Si](C)(C)C  
**Mol. weight [g/mol]:** 290.46

## Physical Properties

Property code	Value	Unit	Source
log10ws	2.47		Crippen Method
logp	2.092		Crippen Method
rinsol	1640.00		NIST Webbook
rinsol	1640.00		NIST Webbook

## Sources

**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)  
**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=R400590&Units=SI>

## Legend

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

Latest version available from:

<https://www.chemeo.com/cid/53-077-8/3-Ketoglutaric-acid-TMS-2.pdf>

Generated by Cheméo on 2024-05-01 10:59:50.993446544 +0000 UTC m=+16850439.914023905.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.