

# Ketoprofen, TBDMS

**Inchi:** InChI=1S/C22H28O3Si/c1-16(21(24)25-26(5,6)22(2,3)4)18-13-10-14-19(15-18)20(23)17  
**InchiKey:** RSVRVWBKDFBBAT-UHFFFAOYSA-N  
**Formula:** C22H28O3Si  
**SMILES:** CC(C(=O)O[Si](C)(C)C(C)(C)C)c1cccc(C(=O)c2ccccc2)c1  
**Mol. weight [g/mol]:** 368.54

## Physical Properties

Property code	Value	Unit	Source
log10ws	-4.04		Crippen Method
logp	5.569		Crippen Method
rinpol	2479.80		NIST Webbook
rinpol	2479.80		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=R258636&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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<https://www.chemeo.com/cid/86-228-4/Ketoprofen-TBDMS.pdf>

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