

# Hydrocinnamic acid, benzyldimethylsilyl ester

**Inchi:** InChI=1S/C18H22O2Si/c1-21(2,15-17-11-7-4-8-12-17)20-18(19)14-13-16-9-5-3-6-10-16/  
**InchiKey:** XPPPRXLMRRZDAF-UHFFFAOYSA-N  
**Formula:** C18H22O2Si  
**SMILES:** C[Si](C)(Cc1ccccc1)OC(=O)CCc1ccccc1  
**Mol. weight [g/mol]:** 298.45

## Physical Properties

Property code	Value	Unit	Source
log10ws	-2.56		Crippen Method
logp	4.149		Crippen Method
rinpol	2089.00		NIST Webbook
rinpol	2089.00		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=U376189&Units=SI>

## Legend

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

Latest version available from:

<https://www.chemeo.com/cid/88-815-0/Hydrocinnamic-acid-benzyldimethylsilyl-ester.pdf>

Generated by Cheméo on 2024-04-19 16:09:44.530161098 +0000 UTC m=+15832233.450738408.

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