

Pentacosan-1-ol trimethylsilyl ether

Other names: 1-Pentacosanol, tms derivative
Inchi: InChI=1S/C28H60OSi/c1-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26
InchiKey: KAAYFNBFLKJQ-UHFFFAOYSA-N
Formula: C₂₈H₆₀OSi
SMILES: CCCCCCCCCCCCCCCCCCCCCCCCCCO[Si](C)(C)C
Mol. weight [g/mol]: 440.86

Physical Properties

Property code	Value	Unit	Source
log10ws	-8.68		Crippen Method
logp	10.830		Crippen Method
rinpol	2826.00		NIST Webbook
rinpol	2836.20		NIST Webbook
rinpol	2826.00		NIST Webbook

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
Crippen Method: https://www.cheméo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U352213&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.cheméo.com/cid/31-725-2/Pentacosan-1-ol-trimethylsilyl-ether.pdf>

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