

Silane, trimethyl(tetracosyloxy)-

Other names: 1-Tetracosanol, TMS
Inchi: InChI=1S/C27H58OSi/c1-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27
InchiKey: BYHJKRWRZGZRKH-UHFFFAOYSA-N
Formula: C27H58OSi
SMILES: CCCCCCCCCCCCCCCCCCCCCCCCCCO[Si](C)(C)C
Mol. weight [g/mol]: 426.83

Physical Properties

Property code	Value	Unit	Source
log10ws	-8.26		Crippen Method
logp	10.440		Crippen Method
rinpol	2749.00		NIST Webbook
rinpol	2739.20		NIST Webbook
rinpol	2741.30		NIST Webbook
rinpol	2739.20		NIST Webbook
rinpol	2751.00		NIST Webbook

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U351867&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

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/55-981-2/Silane-trimethyl-tetracosyloxy.pdf>

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