

Silane, (docosyloxy)trimethyl-

Inchi: InChI=1S/C25H54OSi/c1-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26
InchiKey: BTEWSNDTFDUGBB-UHFFFAOYSA-N
Formula: C25H54OSi
SMILES: CCCCCCCCCCCCCCCCCCCCCCO[Si](C)(C)C
Mol. weight [g/mol]: 398.78
CAS: 42449-18-3

Physical Properties

Property code	Value	Unit	Source
log10ws	-7.43		Crippen Method
logp	9.660		Crippen Method
rinpol	2552.00		NIST Webbook
rinpol	2543.10		NIST Webbook
rinpol	2536.80		NIST Webbook
rinpol	2543.10		NIST Webbook
rinpol	2552.00		NIST Webbook

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C42449183&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/83-942-4/Silane-docosyloxy-trimethyl.pdf>

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