

Silane, dimethylisobutoxytetradecyloxy-

Inchi: InChI=1S/C20H44O2Si/c1-6-7-8-9-10-11-12-13-14-15-16-17-18-21-23(4,5)22-19-20(2)3/
InchiKey: PIBKXSQHIDPYQN-UHFFFAOYSA-N
Formula: C20H44O2Si
SMILES: CCCCCCCCCCCCCO[Si](C)(C)OCC(C)C
Mol. weight [g/mol]: 344.65

Physical Properties

Property code	Value	Unit	Source
log10ws	-4.76		Crippen Method
logp	7.079		Crippen Method
rinpol	2024.00		NIST Webbook
rinpol	2024.00		NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U346773&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

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/95-185-2/Silane-dimethylisobutoxytetradecyloxy.pdf>

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