

Silane, tetrapentyl

Inchi: InChI=1S/C20H44Si/c1-5-9-13-17-21(18-14-10-6-2,19-15-11-7-3)20-16-12-8-4/h5-20H2,
InchiKey: RPLAWNPFGXSEBC-UHFFFAOYSA-N
Formula: C20H44Si
SMILES: CCCCC[Si](CCCC)(CCCC)CCCC
Mol. weight [g/mol]: 312.65

Physical Properties

Property code	Value	Unit	Source
log10ws	-5.66		Crippen Method
logp	8.196		Crippen Method
rinpol	1820.00		NIST Webbook
rinpol	1820.00		NIST Webbook
rinpol	1820.00		NIST Webbook

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=R1028&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/75-832-5/Silane-tetrapentyl.pdf>

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