L-Tryptophan, N«alpha»-tert-butyldimethylsilyl-, tert-butyldimethylsilyl ester

Other names: Tryptophan tetraTBDMS
L-Tryptophan, 1-(tert-butyldimethylsilyl)-, tert-butyldimethylsilyl ester
L-tryptophan, 2tbdms derivative

Inchi: InChI=1S/C23H40N2O2Si2/c1-22(2,3)28(7,8)25-20(21(26)27-29(9,10)23(4,5)6)15-17-16-

InchiKey: HERDBMPCVZMGLQ-UHFFFAOYSA-N

Formula: C23H40N2O2Si2

SMILES: CC(C)(C)[Si](C)(C)NC(Cc1c[nH]c2ccccc12)C(=O)O[Si](C)(C)C(C)(C)C

Mol. weight [g/mol]: 432.75

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.01		Crippen Method
logp	5.740		Crippen Method
rinpol	2698.00		NIST Webbook
rinpol	2680.40		NIST Webbook
rinpol	2680.40		NIST Webbook
rinpol	2698.00		NIST Webbook

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U333267&Units=SI

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices

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