

L-Tryptophan, N«alpha»-tert-butyl dimethylsilyl-, tert-butyl dimethylsilyl ester

Other names: Tryptophan tetra-^tBDMS
L-Tryptophan, 1-(tert-butyl dimethylsilyl)-, tert-butyl dimethylsilyl 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/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.cheméo.com/cid/27-986-8/L-Tryptophan-N-alpha-tert-butyltrimethylsilyl-tert-butyltrimethylsilyl-ester.pdf>

Generated by Cheméo on 2024-04-20 07:37:42.45725382 +0000 UTC m=+15887911.377831152.

Cheméo (<https://www.cheméo.com>) is the biggest free database of chemical and physical data for the process industry.