

L-Tryptophan, N,1-bis(tert-butyl dimethylsilyl)-, tert-butyl dimethylsilyl ester

Other names: Try, TBDMS
L-tryptophan, 3tdms derivative

Inchi: InChI=1S/C29H54N2O2Si3/c1-27(2,3)34(10,11)30-24(26(32)33-36(14,15)29(7,8)9)20-22
InchiKey: JCQLAQJLIDUWOW-DEOSSOPVSA-N
Formula: C29H54N2O2Si3
SMILES: CC(C)(C)[Si](C)(C)NC(Cc1cn([Si](C)(C)C(C)(C)C)c2cccc12)C(=O)O[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]: 547.01

Physical Properties

Property code	Value	Unit	Source
log10ws	-3.38		Crippen Method
logp	8.549		Crippen Method
rinpol	2938.00		NIST Webbook
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Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U143132&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

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<https://www.chemeo.com/cid/114-952-8/L-Tryptophan-N-1-bis-tert-butyl dimethylsilyl-tert-butyl dimethylsilyl-ester.pdf>

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