L-Proline, 1-(tert-butyldimethylsilyl)-5-oxo-, tert-butyldimethylsilyl ester

Other names: 2-Pyrrolidone-5-carboxylic acid, N-(tert-butyldimethylsilyl)-, tert-butyldimethylsilyl ester
5-Oxoproline diTBDMS
L-pyroglutamic acid, 2tbdms derivative

Inchi: InChI=1S/C17H35NO3Si2/c1-16(2,3)22(7,8)18-13(11-12-14(18)19)15(20)21-23(9,10)17(

InchiKey: LTQCVPWWURGDBV-UHFFFAOYSA-N

Formula: C17H35NO3Si2

SMILES: CC(C)(C)[Si](C)(C)OC(=O)C1CCC(=O)N1[Si](C)(C)C(C)(C)C

Mol. weight [g/mol]: 357.64

CAS: 107716-03-0

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.25		Crippen Method
logp	4.531		Crippen Method
rinpol	1956.00		NIST Webbook
rinpol	1944.70		NIST Webbook
rinpol	1956.00		NIST Webbook

Sources

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

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C107716030&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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