

L-Proline, 5-oxo-1-(trimethylsilyl)-, trimethylsilyl ester

Other names:	Proline, 5-oxo-1-(trimethylsilyl)-, trimethylsilyl ester Pyroglutamic acid, bis(trimethylsilyl)- Pyroglutamic acid, di(trimethylsilyl)- Pyroglutamic acid, N,O-bis(trimethylsilyl)deriv. Trimethylsilyl 5-oxo-1-(trimethylsilyl)-2-pyrrolidinecarboxylate, (2S)- (2S)-2-Pyrrolidone-5-carboxylic acid, N-trimethylsilyl, trimethylsilyl ester Pyroglutamic acid, (N,O-TMS) 2-Pyrrolidone-5-carboxylic acid, N-trimethylsilyl, trimethylsilyl ester L-5-oxoproline, , 2tms derivative
Inchi:	InChI=1S/C11H23NO3Si2/c1-16(2,3)12-9(7-8-10(12)13)11(14)15-17(4,5)6/h9H,7-8H2,1-
InchiKey:	QACGFKAUSXGLCU-UHFFFAOYSA-N
Formula:	C11H23NO3Si2
SMILES:	C[Si](C)(C)OC(=O)C1CCC(=O)N1[Si](C)(C)C
Mol. weight [g/mol]:	273.48
CAS:	30274-77-2

Physical Properties

Property code	Value	Unit	Source
log10ws	2.26		Crippen Method
logp	2.190		Crippen Method
rinpol	1524.20		NIST Webbook
rinpol	1520.70		NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C30274772&Units=SI

Legend

log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
rinpol: Non-polar retention indices

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