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/ci990307l

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