

L-Glutamine, tris(trimethylsilyl) deriv.

Other names:	Gln, N,N2-bis(trimethylsilyl)-, TMS ester L-Glutamine, N,N2-bis(trimethylsilyl)-, trimethylsilyl ester
Inchi:	InChI=1S/C14H34N2O3Si3/c1-20(2,3)15-12(14(18)19-22(7,8)9)10-11-13(17)16-21(4,5)6
InchiKey:	KQLPB EWXXARCMA-UHFFFAOYSA-N
Formula:	C14H34N2O3Si3
SMILES:	C[Si](C)(C)NC(=O)CCC(N[Si](C)(C)C)C(=O)O[Si](C)(C)C
Mol. weight [g/mol]:	362.69
CAS:	70591-28-5

Physical Properties

Property code	Value	Unit	Source
log10ws	3.04		Crippen Method
logp	2.889		Crippen Method
rinpol	1768.30		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C70591285&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

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.chemeo.com/cid/46-062-2/l-Glutamine-tris-trimethylsilyl-deriv.pdf>

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