L-Cystine, N,N'-bis(trimethylsilyl)-, bis(trimethylsilyl) ester

Other names: N,N'O,O'-Tetra-(trimethylsilyl)cystine
Cystine (N,N',O,O-tetra-TMS)
L-Cystine, N,N'-bis-TMS, O,O-bist-TMS ester
Cystine, TMS
CYSTINE (N,N,O,O-TMS)
L-cystine, 4tms derivative

Inchi: InChI=1S/C18H44N2O4S2Si4/c1-27(2,3)19-15(17(21)23-29(7,8)9)13-25-26-14-16(20-28

InchiKey: QLOSYBGVFCKXGZ-UHFFFAOYSA-N

Formula: C18H44N2O4S2Si4

SMILES: C[Si](C)(C)NC(CSSCC(N[Si](C)(C)C)C(=O)O[Si](C)(C)C)C(=O)O[Si](C)(C)C

Mol. weight [g/mol]: 529.02

CAS: 69688-44-4

Physical Properties

Property code	Value	Unit	Source
log10ws	3.35		Crippen Method
logp	4.710		Crippen Method
rinpol	2289.80		NIST Webbook
rinpol	2312.00		NIST Webbook
rinpol	2279.20		NIST Webbook
rinpol	2326.00		NIST Webbook
rinpol	2279.20		NIST Webbook

Sources

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

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C69688444&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

Latest version available from:
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