L-Cysteine, N,S-bis(tert-butyldimethylsilyl)-, tert-butyldimethylsilyl ester

Other names: tert-Butyl(dimethyl)silyl 2-([tert-butyl(dimethyl)silyl]amino)-3-([tert-butyl(dimethyl)silyl]sulfanyl)propanoate, (L)-
Cysteine, N,S,O-tris-TBDMS
Cystein tri-TBDMS
Cysteine, TBDMS
L-cysteine, 3tbdms derivative

Inchi: InChI=1S/C21H49NO2SSi3/c1-19(2,3)26(10,11)22-17(16-25-28(14,15)21(7,8)9)18(23)24

InchiKey: KNTFUAXIDAVDEF-QGZVFWFLSA-N

Formula: C21H49NO2SSi3

SMILES: CC(C)(C)[Si](C)(C)NC(CS[Si](C)(C)C(C)(C)C)C(=O)O[Si](C)(C)C(C)(C)C

Mol. weight [g/mol]: 463.94

CAS: 110024-94-7

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.81		Crippen Method
logp	7.237		Crippen Method
rinpol	2215.00		NIST Webbook
rinpol	2189.00		NIST Webbook
rinpol	2189.00		NIST Webbook
rinpol	2215.00		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=C110024947&Units=SI

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices