

N,O,O-Tris(trimethylsilyl)-L-threonine

Other names:

L-Threonine, N,O-bis(trimethylsilyl)-, trimethylsilyl ester
Butyric acid, 3-(trimethylsiloxy)-2-[(trimethylsilyl)amino]-, trimethylsilyl ester
L-threonine, 3tms derivative
Threonine (N,O,O-TMS)
Threonine, tris-TMS
Threonine, N,O,O-tris-TMS
Thr, tri-TMS
Thr, TMS
Threonine, tri-TMS
Threonine, 3tms derivative

Inchi:

InChI=1S/C13H33NO3Si3/c1-11(16-19(5,6)7)12(14-18(2,3)4)13(15)17-20(8,9)10/h11-12

InchiKey:

GTYBQDCOPQDAPP-UHFFFAOYSA-N

Formula:

C13H33NO3Si3

SMILES:

CC(O[Si](C)(C)C)C(N[Si](C)(C)C)C(=O)O[Si](C)(C)C

Mol. weight [g/mol]:

335.66

CAS:

7537-02-2

Physical Properties

Property code	Value	Unit	Source
log10ws	3.22		Crippen Method
logp	3.398		Crippen Method
rinpol	1416.30		NIST Webbook
rinpol	1400.00		NIST Webbook
rinpol	1404.11		NIST Webbook
rinpol	1411.67		NIST Webbook
rinpol	1367.40		NIST Webbook
rinpol	1393.10		NIST Webbook
rinpol	1387.80		NIST Webbook
rinpol	1398.00		NIST Webbook
rinpol	1404.00		NIST Webbook
rinpol	1408.00		NIST Webbook
ripol	1469.26		NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C64569353&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>
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
ripol: Polar retention indices

Latest version available from:

<https://www.chemeo.com/cid/43-142-6/N-O-O-Tris-trimethylsilyl-L-threonine.pdf>

Generated by Cheméo on 2024-04-28 04:02:44.688413894 +0000 UTC m=+16566213.608991207.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.