

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

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-NWDGAFQWSA-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	1367.40		NIST Webbook

Sources

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C7537022&Units=SI>

Crippen Method:

<http://pubs.acs.org/doi/abs/10.1021/ci9903071>

Crippen Method:

https://www.cheméo.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.cheméo.com/cid/33-763-8/N-O-O-Tris-trimethylsilyl-L-threonine.pdf>

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