L-Leucine, N-(trifluoroacetyl)-, trimethylsilyl ester

Other names: Trimethylsilyl 4-methyl-2-[(trifluoroacetyl)amino]pentanoate
N-(trifluoroacetyl)-l-leucine, tms derivative

Inchi: InChI=1S/C11H20F3NO3Si/c1-7(2)6-8(9(16)18-19(3,4)5)15-10(17)11(12,13)14/h7-8H,6H

InchiKey: ATOHQYRAXZLOPS-UHFFFAOYSA-N

Formula: C11H20F3NO3Si

SMILES: CC(C)C[C@H](NC(=O)C(F)(F)F)C(=O)O[Si](C)(C)C

Mol. weight [g/mol]: 299.36

Physical Properties

Property code	Value	Unit	Source
logp	2.458		Crippen Method
rinpol	1231.20		NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C52558824&Units=SI

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

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

Cheméo Relay (1.0):

Cheméo Relay (1.0, beta):

Legend

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices

Latest version available from:
https://www.chemeo.com/cid/49-056-6/L-Leucine-N-trifluoroacetyl-trimethylsilyl-ester.pdf
Generated by Cheméo on 2026-10-07 12:46:02.553832979 +0000 UTC m=+1386396.528686771.
Cheméo (https://www.chemeo.com) is the biggest free database of chemical and physical data for the process industry.