

4-Methylvaleric acid, tert-butyldimethylsilyl ester

Other names:	tert-Butyl(dimethyl)silyl 4-methylpentanoate
Inchi:	InChI=1S/C12H26O2Si/c1-10(2)8-9-11(13)14-15(6,7)12(3,4)5/h10H,8-9H2,1-7H3
InchiKey:	KCUZKZNIAGBOY-UHFFFAOYSA-N
Formula:	C12H26O2Si
SMILES:	CC(C)CCC(=O)O[Si](C)(C)C(C)C
Mol. weight [g/mol]:	230.42
CAS:	959108-90-8

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.52		Crippen Method
logp	3.971		Crippen Method
rinpola	1250.10		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C959108908&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinpola:	Non-polar retention indices

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