

tert-Butyldimethylsilyl acetate

Other names:	Acetic acid, TBDMS Acetic acid, DMTBS Acetic acid, tert-butyldimethylsilyl ester
Inchi:	InChI=1S/C8H18O2Si/c1-7(9)10-11(5,6)8(2,3)4/h1-6H3
InchiKey:	NBUWNZPAMFDSKZ-UHFFFAOYSA-N
Formula:	C8H18O2Si
SMILES:	CC(=O)O[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]:	174.31
CAS:	37170-48-2

Physical Properties

Property code	Value	Unit	Source
log10ws	-0.08		Crippen Method
logp	2.555		Crippen Method
rinpol	932.70		NIST Webbook
rinpol	930.00		NIST Webbook
rinpol	934.00		NIST Webbook
rinpol	930.00		NIST Webbook
rinpol	916.00		NIST Webbook
rinpol	931.00		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C37170482&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307I
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

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