

«alpha»-Tocopherol, trimethylsilyl ether

Other names:	«alpha»-Vitamin E, trimethylsilyl ether «alpha»-Tocopherol, trimethylsilyl derivative Tocopherol-«alpha»-TMS-derivative alpha-Tocopherol, TMS Vitamin E «alpha», trimethylsilyl ether
Inchi:	Trimethyl((2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-3,4-dihydro-2H-chromen-6-yl)oxy)silane
InchiKey:	MJWXSUWKOCZGBM-UHFFFAOYSA-N
Formula:	C32H58O2Si
SMILES:	Cc1c(C)c2c(c(C)c1O[Si](C)(C)C)CCC(C)(CCCC(C)CCCC(C)CCCC(C)C)O2
Mol. weight [g/mol]:	502.89
CAS:	52760-33-5

Physical Properties

Property code	Value	Unit	Source
log10ws	-9.23		Crippen Method
logp	10.348		Crippen Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C52760335&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient

Latest version available from:

<https://www.chemeo.com/cid/67-145-7/alpha-Tocopherol-trimethylsilyl-ether.pdf>

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