

Oleic acid, trimethylsilyl ester

Other names:	Trimethylsilyl (9Z)-9-octadecenoate cis-9-Octadecenoic acid, trimethylsilyl ester (Z)-9-Octadecenoic acid, trimethylsilyl ester 9-Octadecenoic acid (Z)-, trimethylsilyl ester Oleic acid, TMS Oleic acid, (z)-, tms derivative
Inchi:	InChI=1S/C21H42O2Si/c1-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21(22)23-24(2,3)
InchiKey:	GAODWSYPSJBKGB-SEYXRHQNSA-N
Formula:	C21H42O2Si
SMILES:	CCCCCCCCC=CCCCCCCCC(=O)O[Si](C)(C)C
Mol. weight [g/mol]:	354.64
CAS:	21556-26-3

Physical Properties

Property code	Value	Unit	Source
log10ws	-5.38		Crippen Method
logp	7.402		Crippen Method
rinpol	2208.00		NIST Webbook
rinpol	2208.00		NIST Webbook
rinpol	2218.00		NIST Webbook
rinpol	2209.00		NIST Webbook
rinpol	2208.00		NIST Webbook
rinpol	2215.70		NIST Webbook
rinpol	2208.00		NIST Webbook
rinpol	2208.86		NIST Webbook
rinpol	2208.00		NIST Webbook
rinpol	2224.00		NIST Webbook
rinpol	2220.00		NIST Webbook
rinpol	2229.00		NIST Webbook
rinpol	2218.00		NIST Webbook
rinpol	2218.00		NIST Webbook
rinpol	2217.00		NIST Webbook
rinpol	2208.00		NIST Webbook

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C21556263&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>

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.chemeo.com/cid/15-149-0/Oleic-acid-trimethylsilyl-ester.pdf>

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