7,7-Dimethyl-(5Z,8Z)-eicosadienoic acid, trimethylsilyl ester

Inchi: InChI=1S/C25H48O2Si/c1-7-8-9-10-11-12-13-14-15-16-19-22-25(2,3)23-20-17-18-21-24

InchiKey: SMZKWHCHHNJVEX-IKJQKJQYSA-N

Formula: C25H48O2Si

SMILES: CCCCCCCCCCCC=CC(C)(C)C=CCCCC(=O)O[Si](C)(C)C

Mol. weight [g/mol]: 408.73

Physical Properties

Property code	Value	Unit	Source
log10ws	-6.67		Crippen Method
logp	8.594		Crippen Method
rinpol	2460.60		NIST Webbook
rinpol	2460.60		NIST Webbook

Sources

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=U333539&Units=SI

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

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