

cis-5,8,11,14-Eicosatetraenoic acid, tert-butyldimethylsilyl ester

Other names:

Arachidonic acid, TBDMS

Arachidonic acid, DMTBS

Arachidonic acid, tbdms derivative

Inchi: InChI=1S/C26H46O2Si/c1-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25(27)

InchiKey: YQNWZGLWMUXCMW-FORXSXPXSA-N

Formula: C26H46O2Si

SMILES: CCCCCC=CCC=CCC=CCC=CCCCC(=O)O[Si](C)(C)C(C)(C)C

Mol. weight [g/mol]: 418.73

Physical Properties

Property code	Value	Unit	Source
log10ws	-7.03		Crippen Method
logp	8.681		Crippen Method
rinpol	2620.90		NIST Webbook
rinpol	2618.00		NIST Webbook
rinpol	2618.78		NIST Webbook
rinpol	2633.00		NIST Webbook
rinpol	2618.00		NIST Webbook

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U333231&Units=SI>

Legend

log10ws: Log10 of Water solubility in mol/l

logp: Octanol/Water partition coefficient

rinpol: Non-polar retention indices

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