

# Arachidonic acid, trimethylsilyl ester

<b>Other names:</b>	Arachidonic acid, TMS cis-5,8,11,14-Eicosatetraenoic acid, trimethylsilyl ester Arachidonic acid, tms derivative
<b>Inchi:</b>	InChI=1S/C23H40O2Si/c1-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23(24)25
<b>InchiKey:</b>	WKCGHSAPDCPZBQ-SNPVRQPZSA-N
<b>Formula:</b>	C23H40O2Si
<b>SMILES:</b>	CCCCC=CCC=CCC=CCC=CCCC(=O)O[Si](C)(C)C
<b>Mol. weight [g/mol]:</b>	376.65
<b>CAS:</b>	113516-18-0

## Physical Properties

Property code	Value	Unit	Source
log10ws	-5.78		Crippen Method
logp	7.510		Crippen Method
rinpol	2393.00		NIST Webbook

## Sources

<b>NIST Webbook:</b>	<a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C113516180&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C113516180&amp;Units=SI</a>
<b>Crippen Method:</b>	<a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>
<b>Crippen Method:</b>	<a href="https://www.cheméo.com/doc/models/crippen_log10ws">https://www.cheméo.com/doc/models/crippen_log10ws</a>

## Legend

<b>log10ws:</b>	Log10 of Water solubility in mol/l
<b>logp:</b>	Octanol/Water partition coefficient
<b>rinpol:</b>	Non-polar retention indices

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