

Azelaic acid, bis(trimethylsilyl) ester

Other names:	Bis(trimethylsilyl) azelaate Azelaic acid, bis-TMS Azelaic acid, diTMS Nonadioic acid, bis-TMS Nonanedioic acid, bis(trimethylsilyl ester) Nonanedioic acid, bis-TMS ester Nonanedioic acid, TMS ester Azelaic acid, 2tms derivative
Inchi:	InChI=1S/C15H32O4Si2/c1-20(2,3)18-14(16)12-10-8-7-9-11-13-15(17)19-21(4,5)6/h7-13
InchiKey:	UGESQDAUQLNVHU-UHFFFAOYSA-N
Formula:	C15H32O4Si2
SMILES:	C[Si](C)(C)OC(=O)CCCCCCC(=O)O[Si](C)(C)C
Mol. weight [g/mol]:	332.58
CAS:	17906-08-0

Physical Properties

Property code	Value	Unit	Source
log10ws	0.07		Crippen Method
logp	4.473		Crippen Method
rinpol	1782.00		NIST Webbook
rinpol	1806.00		NIST Webbook
rinpol	1788.00		NIST Webbook
rinpol	1806.00		NIST Webbook
rinpol	1812.00		NIST Webbook
rinpol	1789.00		NIST Webbook
rinpol	1788.00		NIST Webbook
rinpol	1787.00		NIST Webbook
rinpol	1789.00		NIST Webbook
rinpol	1807.00		NIST Webbook
rinpol	1812.00		NIST Webbook
rinpol	1806.00		NIST Webbook
rinpol	1806.00		NIST Webbook
rinpol	1788.00		NIST Webbook
rinpol	1793.00		NIST Webbook
rinpol	1800.00		NIST Webbook
rinpol	1793.00		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=C17906080&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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<https://www.chemeo.com/cid/28-832-7/Azelaic-acid-bis-trimethylsilyl-ester.pdf>

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