

Docosanoic acid, tert-butyldimethylsilyl ester

Other names:	Behenic acid, tert-butyldimethylsilyl ester Behenic acid, TBDMS Behenic acid, tbdms derivative
Inchi:	InChI=1S/C28H58O2Si/c1-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-
InchiKey:	SDPDGJZCAWSAFE-UHFFFAOYSA-N
Formula:	C28H58O2Si
SMILES:	CCCCCCCCCCCCCCCCCCCC(=O)O[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]:	454.84
CAS:	104255-84-7

Physical Properties

Property code	Value	Unit	Source
log10ws	-8.46		Crippen Method
logp	10.357		Crippen Method
rinpol	2909.70		NIST Webbook
rinpol	2894.00		NIST Webbook
rinpol	2909.70		NIST Webbook

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C104255847&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

Legend

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

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