

Octadecyltriethoxysilane

Other names:	n-Octadecyltriethoxysilane Silane, triethoxyoctadecyl- triethoxyoctadecylsilane
Inchi:	InChI=1S/C24H52O3Si/c1-5-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-28(25-6-
InchiKey:	FZMJEGJVKFTGMU-UHFFFAOYSA-N
Formula:	C24H52O3Si
SMILES:	CCCCCCCCCCCCCCCCCC[Si](OCC)(OCC)OCC
Mol. weight [g/mol]:	416.75
CAS:	7399-00-0

Physical Properties

Property code	Value	Unit	Source
log10ws	-6.35		Crippen Method
logp	8.296		Crippen Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	440.00 ± 2.00	K	0.30	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=C7399000&Units=SI

Legend

log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
tbrp: Boiling point at reduced pressure

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