

Silane, tetrahexyloxy

Other names:	hexyl silicate silicic acid (H ₄ SiO ₄), tetrahexyl ester tetra-n-hexoxysilane tetrahexyl orthosilicate tetrahexyl silicate
Inchi:	InChI=1S/C24H52O4Si/c1-5-9-13-17-21-25-29(26-22-18-14-10-6-2,27-23-19-15-11-7-3)2
InchiKey:	HZYAPKYFYWOKA-UHFFFAOYSA-N
Formula:	C ₂₄ H ₅₂ O ₄ Si
SMILES:	CCCCCO[Si](OCCCCC)(OCCCCC)OCCCCC
Mol. weight [g/mol]:	432.75

Physical Properties

Property code	Value	Unit	Source
log10ws	-6.02		Crippen Method
logp	7.810		Crippen Method
pc	790.00	kPa	Vapor-Liquid Critical Properties of Some Tetraalkoxysilanes
rinpola	2178.00		NIST Webbook
rinpola	2178.00		NIST Webbook

Sources

Vapor-Liquid Critical Properties of Some Tetraalkoxysilanes:
NIST Webbook:

<https://www.doi.org/10.1021/je800086s>

<http://webbook.nist.gov/cgi/cbook.cgi?ID=R579814&Units=SI>

Crippen Method:

<http://pubs.acs.org/doi/abs/10.1021/ci990307l>

Crippen Method:

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

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient

pc: Critical Pressure
rinpol: Non-polar retention indices

Latest version available from:

<https://www.chemeo.com/cid/95-517-3/Silane-tetrahexyloxy.pdf>

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