

3-(Vinylthio)propyltrimethoxysilane

Inchi: InChI=1S/C8H18O3SSi/c1-5-12-7-6-8-13(9-2,10-3)11-4/h5H,1,6-8H2,2-4H3
InchiKey: XIOWFGAZSNMDKS-UHFFFAOYSA-N
Formula: C8H18O3SSi
SMILES: C=CSCCC[Si](OC)(OC)OC
Mol. weight [g/mol]: 222.38
CAS: 63823-06-3

Physical Properties

Property code	Value	Unit	Source
log10ws	0.12		Crippen Method
logp	2.131		Crippen Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	388.00	K	2.70	NIST Webbook

Sources

Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C63823063&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
tbrp: Boiling point at reduced pressure

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