

1-Propanethiol, 3-(trimethoxysilyl)-

Other names:	(«gamma»-Mercaptopropyl)trimethoxysilane (3-Mercaptopropyl)trimethoxysilane A 189 Silane A 189 Silane, (3-mercaptopropyl)trimethoxy- Z 6062 3-(Trimethoxysilyl)-1-propanethiol 3-(Trimethoxysilyl)propanethiol Propanethiol, 3-trimethoxysilyl- Silicone A-189 Union carbide A-189 Dynasytan MTMO Prosil 196 (3-Thiopropyl)trimethoxysilane 3-(Sulfanylpropyl)trimethoxysilane 3-(Trimethoxysilyl)propyl mercaptan AZ 6129 GF 70 KBE 803 KBM 803 M 8500 M 8500 (coupling agent) MPS MPS-M NUCA 189 SH 6062 Sila-Ace S 810 Silquest A 189 TSL 8380 TSL 8380E 3-trimethoxysilylpropane-1-thiol
Inchi:	InChI=1S/C6H16O3SSi/c1-7-11(8-2,9-3)6-4-5-10/h10H,4-6H2,1-3H3
InchiKey:	UUEWCQRISZBELL-UHFFFAOYSA-N
Formula:	C6H16O3SSi
SMILES:	CO[Si](CCCS)(OC)OC
Mol. weight [g/mol]:	196.34
CAS:	4420-74-0

Physical Properties

Property code	Value	Unit	Source
ie	9.01	eV	NIST Webbook
log10ws	1.12		Crippen Method
logp	1.184		Crippen Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	401.00	K	6.70	NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C4420740&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

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

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