Propanethiol, 3-(trimethoxysilyl)-

Other names:	(3-Mercaptopropyl)trimethoxysilane (3-Thiopropyl)trimethoxysilane («gamma»-Mercaptopropyl)trimethoxysilane 3-(Sulfanylpropyl)trimethoxysilane 3-(Trimethoxysilyl)propanethiol 3-(Trimethoxysilyl)propyl mercaptan 3-(trimethoxysilyl)-1-propanethiol 3-trimethoxysilylpropane-1-thiol A 189 AZ 6129 Dynasylan MTMO GF 70 KBE 803 KBM 803 M 8500 M 8500 (coupling agent) MPS MPS-M NUCA 189 Propanethiol, 3-trimethoxysilyl- Prosil 196 SH 6062 Sila-Ace S 810 Silane A 189 Silane, (3-mercaptopropyl)trimethoxy- Silicone A-189 Silquest A 189 TSL 8380 TSL 8380E Union carbide A-189 Z 6062
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

Physical Properties

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

Pressure Dependent Properties

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

Sources

Cheméo Relay (1.0, beta):

Phase behaviour of the two binary systems formed by CO2 and the silane precursors N-[3-(trimethoxysilyl)propyl]aniline or (3-mercaptopropyl)trimethoxysilane: https://www.doi.org/10.1016/j.jct.2016.07.044

NIST Webbook: http://webbook.nist.gov/cgi/cbook.cgi?ID=C4420740&Units=SI

Crippen Method: http://pubs.acs.org/doi/abs/10.1021/ci990307l

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

Cheméo Relay (1.0):

Legend

ie: Ionization energy

logp: Octanol/Water partition coefficient

tbrp: Boiling point at reduced pressure