

2-Propenoic acid, 2-methyl-, 3-(trimethoxysilyl)propyl ester

Other names:

1-Propanol, 3-(trimethoxysilyl)-, methacrylate

3-(Trimethoxysilyl)propyl methacrylate

3-(Trimethoxysilyl)-1-propanol methacrylate

3-(trimethoxysilyl)propyl methacrylate

A 174

CM8550

Dow corning Z-6030

Dynasytan MEMO

KBM 503

KDM 503

KH 570

M 8550

MEMO

MOPS-M

Methacrylic acid, 3-(trimethoxysilyl)propyl ester

Methacryloxypropyltrimethoxysilane

Methacryloyloxypropyltrimethoxysilane

NSC 93591

NUCA 174

Prosil 248

Q 174

Silane A-174

Silane, (3-hydroxypropyl)trimethoxy-, methacrylate

Silane, 3-methacryloxypropyltrimethoxy-

Silane, trimethoxy-[3(2-methylpropenyloxy)propyl]-

Silicone a-174

Trimethoxysilyl-3-propylester kyseliny methakrylove

Trimethoxysilylpropyl methacrylate

Union carbide a-174

Z 6030

[3-(Methacryloxy)propyl]trimethoxysilane

[3-(Methacryloyloxy)propyl]trimethoxysilane

[«gamma»-(Methacryloyloxy)propyl]trimethoxysilane

trimethoxy(3-methacryloxypropyl)silane

«alpha»-Methylacryloxypropyltrimethoxysilane

«gamma»-Methacryloxypropyltrimethoxysilane

«gamma»-Methacryloyloxypropyltrimethoxysilane

Inchi: InChI=1S/C10H20O5Si/c1-9(2)10(11)15-7-6-8-16(12-3,13-4)14-5/h1,6-8H2,2-5H3

InchiKey: XDLMVUHYZWKMMD-UHFFFAOYSA-N

Formula: C10H20O5Si

SMILES: C=C(C)C(=O)OCCC[Si](OC)(OC)OC
Mol. weight [g/mol]: 248.35
CAS: 2530-85-0

Physical Properties

Property code	Value	Unit	Source
log10ws	0.80		Crippen Method
logp	1.374		Crippen Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	353.00	K	0.10	NIST Webbook

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
Phase behavior for the 2-(trimethylsilyloxy)ethyl methacrylate and 3-(trimethoxysilyl)propyl methacrylate in supercritical carbon dioxide: <https://www.doi.org/10.1016/j.fluid.2018.01.013>
<http://webbook.nist.gov/cgi/cbook.cgi?ID=C2530850&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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