

Silane, trimethoxy[3-(oxiranylmethoxy)propyl]-

Other names:	Silane, [3-(2,3-epoxypropoxy)propyl]trimethoxy- «gamma»-Glycidoxypropyltrimethoxysilane (3-Glycidoxypropyl)trimethoxysilane [«gamma»-(Glycidyl)propyl]trimethoxysilane [[3-(Trimethoxysilyl)propoxy]methyl]oxirane [3-(Glycidyl)propyl]trimethoxysilane [3-(2,3-Epoxypropoxy)propyl]trimethoxysilane A 187 DZ 6040 Glycidoxypropyltrimethoxysilane Glycidyl 3-(Trimethoxysilyl)propyl ether Glycidylpropyltrimethoxysilane KBM 403 KBM 430 Silan A 187 Silane A 187 Silane Z 6040 Silicone A 187 Silicone KBM 403 Y 4087 Z 6040 1-(Glycidyl)-3-(Trimethoxysilyl)propane NUCA 187 Silane-y-4087 Union carbide a-187 CG6720 Dow corning Z-6040 Dynasylan GLYMO Glymo Prosil 5136 Silane, 3(glycidoxy)propyl trimethoxy- Oxirane, 2-((3-(trimethoxysilyl)propoxy)methyl)- 3-(Trimethoxysilyl)propyl glycidyl ether NSC 93590
Inchi:	InChI=1S/C9H20O5Si/c1-10-15(11-2,12-3)6-4-5-13-7-9-8-14-9/h9H,4-8H2,1-3H3
InchiKey:	BPSIOYPQMFLKFR-UHFFFAOYSA-N
Formula:	C9H20O5Si
SMILES:	CO[Si](CCCOCC1CO1)(OC)OC
Mol. weight [g/mol]:	236.34
CAS:	2530-83-8

Physical Properties

Property code	Value	Unit	Source
log10ws	1.75		Crippen Method
logp	0.670		Crippen Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	393.00	K	0.30	NIST Webbook
tbrp	393.00	K	0.30	NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C2530838&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Legend

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

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