

3-[3,3,3-trimethyl-1,1-bis[(trimethylsilyl)oxy]disiloxy]methacrylate

Other names: Tris(trimethylsiloxy)-3-methacryloxypropylsilane
Inchi: InChI=1S/C16H38O5Si4/c1-15(2)16(17)18-13-12-14-25(19-22(3,4)5,20-23(6,7)8)21-24(9)
InchiKey: BESKSSIEODQWBP-UHFFFAOYSA-N
Formula: C16H38O5Si4
SMILES: C=C(C)C(=O)OCCC[Si](O[Si](C)(C)C)(O[Si](C)(C)C)O[Si](C)(C)C
Mol. weight [g/mol]: 422.81
CAS: 17096-07-0

Physical Properties

Property code	Value	Unit	Source
log10ws	4.13		Crippen Method
logp	4.989		Crippen Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	386.50 ± 1.50	K	0.03	NIST Webbook

Sources

Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci990307l>
Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C17096070&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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