

Tris(trimethylsiloxy)-3-methacryloxypropylsilane

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]:	422.82

Physical Properties

Property code	Value	Unit	Source
logp	4.989		Crippen Method
tb	561.92	K	Cheméo Relay (1.0)
tf	259.64	K	Cheméo Relay (1.0)

Pressure Dependent Properties

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

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C17096070&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307I
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	

Legend

logp:	Octanol/Water partition coefficient
tb:	Normal Boiling Point Temperature
tbrp:	Boiling point at reduced pressure
tf:	Normal melting (fusion) point

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