

3,3-Dimethylacrylic acid, tert-butyldimethylsilyl ester

Other names:	tert-Butyl(dimethyl)silyl 3-methylbut-2-enoate 3,3-Dimethylacrylic acid, tbdms derivative
Inchi:	InChI=1S/C11H22O2Si/c1-9(2)8-10(12)13-14(6,7)11(3,4)5/h8H,1-7H3
InchiKey:	GEZSKUGBXPFPK-UHFFFAOYSA-N
Formula:	C11H22O2Si
SMILES:	CC(C)=CC(=O)O[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]:	214.38

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.19		Crippen Method
logp	3.501		Crippen Method
rinpol	1223.60		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=U333164&Units=SI

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinpol:	Non-polar retention indices

Latest version available from:

<https://www.chemeo.com/cid/28-683-3/3-3-Dimethylacrylic-acid-tert-butyldimethylsilyl-ester.pdf>

Generated by Cheméo on 2025-12-05 20:31:22.240014431 +0000 UTC m=+4714879.770055086.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.