

1,2-Bis(methyldiethoxysilyl)ethane

Inchi: InChI=1S/C12H30O4Si2/c1-7-13-17(5,14-8-2)11-12-18(6,15-9-3)16-10-4/h7-12H2,1-6H3
InchiKey: HITBDIPWYKTHIH-UHFFFAOYSA-N
Formula: C12H30O4Si2
SMILES: CCO[Si](C)(CC[Si](C)(OCC)OCC)OCC
Mol. weight [g/mol]: 294.54
CAS: 88736-80-5

Physical Properties

Property code	Value	Unit	Source
log10ws	1.54		Crippen Method
logp	3.276		Crippen Method

Pressure Dependent Properties

Property code	Value	Unit	Pressure [kPa]	Source
tbrp	373.00	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
NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C88736805&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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<https://www.chemeo.com/cid/115-055-3/1-2-Bis-methyldiethoxysilyl-ethane.pdf>

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