

Disiloxane, 1,1,3,3-tetramethyl-1,3-bis(pentafluorophenyl)-

Other names:

Disiloxane, 1,1,3,3-tetramethyl-1,3-bis(pentafluoro

Disiloxane DMPFPS

Inchi: InChI=1S/C16H12F10OSi2/c1-28(2,15-11(23)7(19)5(17)8(20)12(15)24)27-29(3,4)16-13(

InchiKey: HSHJZLRELITFHY-UHFFFAOYSA-N

Formula: C16H12F10OSi2

SMILES: C[Si](C)(O[Si](C)(C)c1c(F)c(F)c(F)c(F)c1F)c1c(F)c(F)c(F)c(F)c1F

Mol. weight [g/mol]: 466.42

CAS: 19091-32-8

Physical Properties

Property code	Value	Unit	Source
log10ws	-11.19		Crippen Method
logp	4.619		Crippen Method
rinpol	1585.00		NIST Webbook
rinpol	1585.00		NIST Webbook
rinpol	1585.00		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=C19091328&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/122-472-2/Disiloxane-1-1-3-3-tetramethyl-1-3-bis-pentafluorophenyl.pdf>

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