

Disiloxane, 1,3-diethenyl-1,1,3,3-tetramethyl-

Other names:	1,1'-Divinyltetramethyldisiloxane 1,1,3,3-Tetramethyl-1,3-divinyldisiloxane 1,1,3,3-tetramethyl-1,3-divinyldisiloxane 1,3-Diethenyl-1,1,3,3-tetramethyl disiloxane 1,3-Divinyltetramethyldisiloxane 1,3-diethenyl-1,1,3,3-tetramethyldisiloxane 1,3-divinyl-1,1,3,3-tetramethyldisiloxane 846574-60-5 Bisvinyltetramethyldisiloxane CD6210 Disiloxane, 1,1,3,3-tetramethyl-1,3-divinyl- Divinyltetramethyldisiloxane Tetramethyl-1,3-divinyldisiloxane Tetramethyldivinyldisiloxane bis(ethenyldimethylsilyl) ether sym-Tetramethyldi(ethenyl)disiloxane
Inchi:	InChI=1S/C8H18OSi2/c1-7-10(3,4)9-11(5,6)8-2/h7-8H,1-2H2,3-6H3
InchiKey:	BITPLIXHRASDQB-UHFFFAOYSA-N
Formula:	C8H18OSi2
SMILES:	C=C[Si](C)(C)O[Si](C)(C)C=C
Mol. weight [g/mol]:	186.40
CAS:	2627-95-4

Physical Properties

Property code	Value	Unit	Source
log10ws	1.76		Crippen Method
logp	2.864		Crippen Method
rinpol	848.00		NIST Webbook
tb	412.00	K	NIST Webbook

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
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rho1	822.67	kg/m3	283.15	The density, refractive index, and thermodynamic behaviour of binary mixtures of 1,3-Diethenyl-1,1,3,3-tetramethyldisiloxane with aromatic hydrocarbons
rho1	817.77	kg/m3	288.15	The density, refractive index, and thermodynamic behaviour of binary mixtures of 1,3-Diethenyl-1,1,3,3-tetramethyldisiloxane with aromatic hydrocarbons
rho1	812.92	kg/m3	293.15	The density, refractive index, and thermodynamic behaviour of binary mixtures of 1,3-Diethenyl-1,1,3,3-tetramethyldisiloxane with aromatic hydrocarbons
rho1	808.00	kg/m3	298.15	The density, refractive index, and thermodynamic behaviour of binary mixtures of 1,3-Diethenyl-1,1,3,3-tetramethyldisiloxane with aromatic hydrocarbons
rho1	803.07	kg/m3	303.15	The density, refractive index, and thermodynamic behaviour of binary mixtures of 1,3-Diethenyl-1,1,3,3-tetramethyldisiloxane with aromatic hydrocarbons
rho1	797.99	kg/m3	308.15	Volumetric and refractive properties of the mixtures of 1,1,3,3-tetramethyl-1,3-diphenyldisiloxane with various organosilicon compounds at T = (308.15 to 328.15) K

rho1	793.04	kg/m3	313.15	Volumetric and refractive properties of the mixtures of 1,1,3,3-tetramethyl-1,3-diphenyldisiloxane with various organosilicon compounds at T = (308.15 to 328.15) K
rho1	788.05	kg/m3	318.15	Volumetric and refractive properties of the mixtures of 1,1,3,3-tetramethyl-1,3-diphenyldisiloxane with various organosilicon compounds at T = (308.15 to 328.15) K
rho1	783.06	kg/m3	323.15	Volumetric and refractive properties of the mixtures of 1,1,3,3-tetramethyl-1,3-diphenyldisiloxane with various organosilicon compounds at T = (308.15 to 328.15) K
rho1	778.04	kg/m3	328.15	Volumetric and refractive properties of the mixtures of 1,1,3,3-tetramethyl-1,3-diphenyldisiloxane with various organosilicon compounds at T = (308.15 to 328.15) K

Sources

The density, refractive index, and thermodynamic behaviour of binary mixtures of 1,3,3-tetramethyl-1,3-diphenyldisiloxane with various organosilicon compounds at T = (308.15 to 328.15) K: Crippen Method: <https://www.doi.org/10.1016/j.jct.2013.12.025>
 Volumetric and refractive properties of the mixtures of 1,1,3,3-tetramethyl-1,3-diphenyldisiloxane with various organosilicon compounds at T = (308.15 to 328.15) K: Crippen Method: <https://www.doi.org/10.1021/acs.jced.5b00820>
 NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C2627954&Units=SI>
 Volumetric and refractive properties of the mixtures of 1,1,3,3-tetramethyl-1,3-diphenyldisiloxane with various organosilicon compounds at T = (308.15 to 328.15) K: Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
 Crippen Method: https://www.chemeo.com/doc/models/crippen_log10ws

Legend

log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient
rho: Liquid Density
rinpol: Non-polar retention indices
tb: Normal Boiling Point Temperature

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