2,4,6-trimethyl-2,4,6-tris(3,3,3-trifluoropropyl)-1,3,

Other names: 1,3,5-trimethyl-1,3,5-tris(3,3,3-trifluoropropyl)cyclotrisiloxane

1,3,5-tris(3,3,3-trifluoropropyl)-1,3,5-trimethylcyclotrisiloxane

InChl=1S/C12H21F9O3Si3/c1-25(7-4-10(13,14)15)22-26(2,8-5-11(16,17)18)24-27(3,23-2)

InchiKey: URZHQOCYXDNFGN-UHFFFAOYSA-N

Formula: C12H21F9O3Si3

Mol. weight [g/mol]: 468.54

Physical Properties

Property code	Value	Unit	Source
log10ws	0.11		Crippen Method
logp	6.123		Crippen Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source	
rfi	1.35608		318.15 1,3,5-trimethyl-1,3,5-	The physicochemical properties of tris(3,3,3-trifluorop with various aromatic hydrocarbons at T = (308.15 to 323.15) K	ropyl)cyclotrisiloxane
rfi	1.35816		313.15 1,3,5-trimethy	The mixing properties of vl-1,3,5-tris(3,3,3-tris) cyclotrisiloxane with various organosilicon compounds at different temperatures	rifluoropropyl)

rfi	1.35616	318.15 The mixing properties of 1,3,5-trimethyl-1,3,5-tris(3,3,3-trifluoropropyl) cyclotrisiloxane with various organosilicon compounds at different temperatures
rfi	1.35410	323.15 The mixing properties of 1,3,5-trimethyl-1,3,5-tris(3,3,3-trifluoropropyl) cyclotrisiloxane with various organosilicon compounds at different temperatures
rfi	1.35211	328.15 The mixing properties of 1,3,5-trimethyl-1,3,5-tris(3,3,3-trifluoropropyl) cyclotrisiloxane with various organosilicon compounds at different temperatures
rfi	1.36011	308.15 The physicochemical properties of 1,3,5-trimethyl-1,3,5-tris(3,3,3-trifluoropropyl)cyclotrisiloxane with various aromatic hydrocarbons at T = (308.15 to 323.15) K
rfi	1.35808	313.15 The physicochemical properties of 1,3,5-trimethyl-1,3,5-tris(3,3,3-trifluoropropyl)cyclotrisiloxane with various aromatic hydrocarbons at T = (308.15 to 323.15) K
rfi	1.35609	318.15 The physicochemical properties of 1,3,5-trimethyl-1,3,5-tris(3,3,3-trifluoropropyl)cyclotrisiloxane with various aromatic hydrocarbons at T = (308.15 to 323.15) K
rfi	1.35407	323.15 The physicochemical properties of 1,3,5-trimethyl-1,3,5-tris(3,3,3-trifluoropropyl)cyclotrisiloxane with various aromatic hydrocarbons at T = (308.15 to 323.15) K

rfi	1.36016		308.15 The mixing properties of 1,3,5-trimethyl-1,3,5-tris(3,3,3-trifluoropropyl) cyclotrisiloxane with various organosilicon compounds at different temperatures
rhol	1236.44	kg/m3	308.15 The mixing properties of 1,3,5-trimethyl-1,3,5-tris(3,3,3-trifluoropropyl) cyclotrisiloxane with various organosilicon compounds at different temperatures
rhol	1229.89	kg/m3	313.15 The mixing properties of 1,3,5-trimethyl-1,3,5-tris(3,3,3-trifluoropropyl) cyclotrisiloxane with various organosilicon compounds at different temperatures
rhol	1223.32	kg/m3	318.15 The mixing properties of 1,3,5-trimethyl-1,3,5-tris(3,3,3-trifluoropropyl) cyclotrisiloxane with various organosilicon compounds at different temperatures
rhol	1216.77	kg/m3	323.15 The mixing properties of 1,3,5-trimethyl-1,3,5-tris(3,3,3-trifluoropropyl) cyclotrisiloxane with various organosilicon compounds at different temperatures
rhol	1210.19	kg/m3	328.15 The mixing properties of 1,3,5-trimethyl-1,3,5-tris(3,3,3-trifluoropropyl) cyclotrisiloxane with various organosilicon compounds at different temperatures
rhol	1236.63	kg/m3	308.15 The physicochemical properties of 1,3,5-trimethyl-1,3,5-tris(3,3,3-trifluoropropyl)cyclotrisiloxane with various aromatic hydrocarbons at T = (308.15 to 323.15) K

rhol	1230.05	kg/m3	313.15 The physicochemical properties of 1,3,5-trimethyl-1,3,5-tris(3,3,3-trifluoropropyl)cyclotrisiloxan with various aromatic hydrocarbons at T = (308.15 to 323.15) K
rhol	1223.55	kg/m3	318.15 The physicochemical properties of 1,3,5-trimethyl-1,3,5-tris(3,3,3-trifluoropropyl)cyclotrisiloxan with various aromatic hydrocarbons at T = (308.15 to 323.15) K
rhol	1216.99	kg/m3	323.15 The physicochemical properties of 1,3,5-trimethyl-1,3,5-tris(3,3,3-trifluoropropyl)cyclotrisiloxan with various aromatic hydrocarbons at T = (308.15 to 323.15) K

Sources

The physicochemical properties of 1,3,5-trimethyl-1,3,5-tris(3,3,3-trifluoropropyl)cyclotrisiloxane http://pubs.acs.org/doi/abs/10.1021/ci990307I T = (308.15 to 323.15) K: https://www.chemeo.com/doc/models/crippen_

https://www.chemeo.com/doc/models/crippen_log10ws

The mixing properties of https: 1,3,5-trimethyl-1,3,5-tris(3,3,3-trifluoropropyl) cyclotrisiloxane with various https://www.doi.org/10.1016/j.jct.2014.09.010 organosilicon compounds at different

temperatures:

Legend

log10ws: Log10 of Water solubility in mol/l Octanol/Water partition coefficient logp:

rfi: Refractive Index rhol: Liquid Density

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