

Silane, [1,3,5-benzenetriyltris(oxy)]tris[trimethyl-

Other names:	Silane, [1,3,5-benzenetriyltris(oxy)]tris[trimethyl- Phloroglucinol, tris(trimethylsilyl ether) Silane, [1,3,5-benzenetriyltris(oxy)]tris*trimethyl- Pertrimethylsilyl ether of phloroglucinol (3,5-Bis[(trimethylsilyl)oxy]phenoxy)(trimethyl)silane Benzene, 1,3,5-tris-trimethylsilyloxy Phloroglucinol, tris-TMS Phloroglucinol, TMS 1,3,5-Benzenetriol, tris-trimethylsilyl ether 1,3,5-Benzetriol, 3tms derivative
Inchi:	InChI=1S/C15H30O3Si3/c1-19(2,3)16-13-10-14(17-20(4,5)6)12-15(11-13)18-21(7,8)9/h1
InchiKey:	PXHSJMJQTOFLAS-UHFFFAOYSA-N
Formula:	C15H30O3Si3
SMILES:	C[Si](C)(C)Oc1cc(O[Si](C)(C)C)cc(O[Si](C)(C)C)c1
Mol. weight [g/mol]:	342.66

Physical Properties

Property code	Value	Unit	Source
hvap	67.04	kJ/mol	Cheméo Relay (1.0)
logp	5.328		Crippen Method
rinpol	1662.00		NIST Webbook
rinpol	1665.00		NIST Webbook
rinpol	1661.00		NIST Webbook
rinpol	1664.00		NIST Webbook
rinpol	1665.00		NIST Webbook
rinpol	1669.00		NIST Webbook
rinpol	1670.00		NIST Webbook
rinpol	1647.00		NIST Webbook
rinpol	1669.00		NIST Webbook
rinpol	1662.00		NIST Webbook
rinpol	1655.00		NIST Webbook
rinpol	1659.00		NIST Webbook
rinpol	1654.00		NIST Webbook
rinpol	1637.20		NIST Webbook
rinpol	1659.00		NIST Webbook
rinpol	1659.00		NIST Webbook
rinpol	1637.20		NIST Webbook

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C10586126&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

hvap:	Enthalpy of vaporization at standard conditions
logp:	Octanol/Water partition coefficient
rinpol:	Non-polar retention indices

Latest version available from:

<https://www.chemeo.com/cid/49-146-6/Silane-1-3-5-benzenetriyltris-oxy-tris-trimethyl.pdf>

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