

Silane, [1,2,3-benzenetriyltris(oxy)]tris[trimethyl-

Other names:	Silane, [1,2,3-benzenetriyltris(oxy)]tris[trimethyl- 1,2,3-Tris(trimethylsiloxy)benzene Silane, (o-phenenyltrioxy)tris[trimethyl- (2,6-Bis[(trimethylsilyl)oxy]phenoxy)(trimethyl)silane 1,2,3-Trihydroxybenzene, triTMS ether Pyrogallol, TMS 1,2,3-Benzenetriol, tris-trimethylsilyl ether Pyrogallol, 3tms derivative
Inchi:	InChI=1S/C15H30O3Si3/c1-19(2,3)16-13-11-10-12-14(17-20(4,5)6)15(13)18-21(7,8)9/h1
InchiKey:	ICAGNSJTZLGSDJ-UHFFFAOYSA-N
Formula:	C15H30O3Si3
SMILES:	C[Si](C)(C)Oc1cccc(O[Si](C)(C)C)c1O[Si](C)(C)C
Mol. weight [g/mol]:	342.66

Physical Properties

Property code	Value	Unit	Source
hvap	64.73	kJ/mol	Cheméo Relay (1.0)
ie	8.69	eV	Cheméo Relay (1.0)
logp	5.328		Crippen Method
rinpol	1562.00		NIST Webbook
rinpol	1564.00		NIST Webbook
rinpol	1555.00		NIST Webbook
rinpol	1555.00		NIST Webbook
rinpol	1557.00		NIST Webbook
rinpol	1537.00		NIST Webbook
rinpol	1556.00		NIST Webbook
rinpol	1561.00		NIST Webbook
rinpol	1557.00		NIST Webbook
rinpol	1562.00		NIST Webbook
rinpol	1548.00		NIST Webbook
rinpol	1559.00		NIST Webbook
rinpol	1560.00		NIST Webbook
rinpol	1557.00		NIST Webbook
rinpol	1564.00		NIST Webbook
rinpol	1559.00		NIST Webbook
rinpol	1560.00		NIST Webbook
tb	552.23	K	Cheméo Relay (1.0)

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C17864232&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307I
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	
Cheméo Relay (1.0, beta):	

Legend

h_{vap}:	Enthalpy of vaporization at standard conditions
i_e:	Ionization energy
log_p:	Octanol/Water partition coefficient
rin_{pol}:	Non-polar retention indices
t_b:	Normal Boiling Point Temperature

Latest version available from:

<https://www.chemeo.com/cid/116-040-8/Silane-1-2-3-benzenetriyltris-oxy-tris-trimethyl.pdf>

Generated by Cheméo on 2026-07-22 01:38:42.295156684 +0000 UTC m=+195418.137042074.

Cheméo (<https://www.chemeo.com>) is the biggest free database of chemical and physical data for the process industry.