

Glycerol, tris(trimethylsilyl) ether

Other names:

Trimethylsilyl ether of glycerol
3,7-Dioxa-2,8-disilanonane, 2,2,8,8-tetramethyl-5-[(trimethylsilyl)oxy]-
3,7-Dioxa-2,8-disilanonane, 2,2,8,8-tetramethyl-5-(trimethylsiloxy)-
2,2,8,8-Tetramethyl-5-[(trimethylsilyl)oxy]-3,7-dioxa-2,8-disilanonane
Glycerol, 1,2,3-tris[(TMS)oxy]
Glycerol, tris-TMS
Glycerol, tris-TMS ether
Glycerol, tri-TMS derivative
Glycerol, TMS
Glycerol, triTMS
Glycerol, 3tms derivative

Inchi:

InChI=1S/C12H32O3Si3/c1-16(2,3)13-10-12(15-18(7,8)9)11-14-17(4,5)6/h12H,10-11H2,

InchiKey:

JQUGYGVCECHKBA-UHFFFAOYSA-N

Formula:

C12H32O3Si3

SMILES:

C[Si](C)(C)OCC(CO[Si](C)(C)C)O[Si](C)(C)C

Mol. weight [g/mol]:

308.64

CAS:

6787-10-6

Physical Properties

Property code	Value	Unit	Source
log10ws	3.63		Crippen Method
logp	3.909		Crippen Method
rinpol	1296.00		NIST Webbook
rinpol	1300.00		NIST Webbook
rinpol	1282.00		NIST Webbook
rinpol	1289.00		NIST Webbook
rinpol	1292.00		NIST Webbook
rinpol	1265.10		NIST Webbook
rinpol	1266.00		NIST Webbook
rinpol	1292.00		NIST Webbook
rinpol	1292.00		NIST Webbook
rinpol	1290.00		NIST Webbook
rinpol	1258.10		NIST Webbook
rinpol	1289.00		NIST Webbook
rinpol	1289.00		NIST Webbook
rinpol	1295.00		NIST Webbook
rinpol	1290.00		NIST Webbook

rinpol	1290.00	NIST Webbook
rinpol	1282.00	NIST Webbook
rinpol	1268.00	NIST Webbook
rinpol	1258.10	NIST Webbook
rinpol	1290.00	NIST Webbook
rinpol	1265.10	NIST Webbook
rinpol	1296.00	NIST Webbook
rinpol	1290.00	NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C6787106&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.cheméo.com/doc/models/crippen_log10ws

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.cheméo.com/cid/62-422-4/Glycerol-tris-trimethylsilyl-ether.pdf>

Generated by Cheméo on 2024-05-02 06:39:51.174246088 +0000 UTC m=+16921240.094823404.

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