

Pentanedioic acid, bis(trimethylsilyl) ester

Other names:	Glutaric acid (2TMS) Glutaric acid, di(trimethylsilyl) ester Glutarate, bis-TMS Glutaric acid, bis-TMS Glutaric acid, bis(trimethylsilyl) ester Glutaric acid, diTMS Pentanedioic acid, di-TMS ester Bis(trimethylsilyl) glutarate Glutaric acid (tms) Glutarate, TMS Pentanedioic acid, 2tms derivative
Inchi:	InChI=1S/C11H24O4Si2/c1-16(2,3)14-10(12)8-7-9-11(13)15-17(4,5)6/h7-9H2,1-6H3
InchiKey:	UWZGPXOJVOOLSG-UHFFFAOYSA-N
Formula:	C11H24O4Si2
SMILES:	C[Si](C)(C)OC(=O)CCCC(=O)O[Si](C)(C)C
Mol. weight [g/mol]:	276.48
CAS:	55494-07-0

Physical Properties

Property code	Value	Unit	Source
log10ws	1.75		Crippen Method
logp	2.913		Crippen Method
rinpol	1395.00		NIST Webbook
rinpol	1408.80		NIST Webbook
rinpol	1407.00		NIST Webbook
rinpol	1400.00		NIST Webbook
rinpol	1404.00		NIST Webbook
rinpol	1394.00		NIST Webbook
rinpol	1402.00		NIST Webbook
rinpol	1412.00		NIST Webbook
rinpol	1386.00		NIST Webbook
rinpol	1410.00		NIST Webbook
rinpol	1396.00		NIST Webbook
rinpol	1400.00		NIST Webbook
rinpol	1394.50		NIST Webbook
rinpol	1391.00		NIST Webbook
rinpol	1396.00		NIST Webbook

rinpol	1410.00	NIST Webbook
rinpol	1436.00	NIST Webbook
rinpol	1410.00	NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.cheméo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C55494070&Units=SI

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/55-067-7/Pentanedioic-acid-bis-trimethylsilyl-ester.pdf>

Generated by Cheméo on 2024-04-23 15:36:25.719202415 +0000 UTC m=+16175834.639779730.

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