

Silane, (heptadecyloxy)trimethyl-

Other names:

1-Trimethylsilyloxyheptadecane
Heptadecoxy-trimethylsilane
Heptadecane, , 1-trimethylsilyloxy-
(Heptadecyloxy)trimethylsilane
1-Heptadecanol, trimethylsilyl ether
1-Heptadecanol, O-TMS
Heptadecan-1-ol trimethylsilyl ether
1-Heptadecyl trimethylsilyl ether
Heptadecyloxytrimethylsilyl ether
1-Heptadecanol, tms derivative

Inchi:

InChI=1S/C20H44OSi/c1-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22(2,3)4/h5-2

InchiKey:

DQOJNDFXOICYCNC-UHFFFAOYSA-N

Formula:

C₂₀H₄₄O_{Si}

SMILES:

CCCCCCCCCCCCCCCCCO[Si](C)(C)C

Mol. weight [g/mol]:

328.65

CAS:

144363-02-0

Physical Properties

Property code	Value	Unit	Source
log10ws	-5.33		Crippen Method
logp	7.709		Crippen Method
rinpol	2056.00		NIST Webbook
rinpol	2054.00		NIST Webbook
rinpol	2053.90		NIST Webbook
ripol	2046.00		NIST Webbook

Sources

Crippen Method:

<http://pubs.acs.org/doi/abs/10.1021/ci9903071>

Crippen Method:

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

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=C144363020&Units=SI>

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinpol:	Non-polar retention indices
ripol:	Polar retention indices

Latest version available from:

<https://www.cheméo.com/cid/69-460-5/Silane-heptadecyloxy-trimethyl.pdf>

Generated by Cheméo on 2024-04-20 15:48:25.216545419 +0000 UTC m=+15917354.137122731.

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