

tert-Butyl-[2-[2-[2-[2-[2-[2-(tert-butyldimethylsilyl)]c

Other names:

4,7,10,13,16,19,22-Hepta-oxa-3,23-disilapentacosane,
2,2,3,3,23,23,24,24-octamethyl-
Hexaethylene glycol, bis(tert-butyl dimethylmethyl)silyl ether
Hexaethylene glycol, 2tdms derivative

Inchi:

InChI=1S/C24H54O7Si2/c1-23(2,3)32(7,8)30-21-19-28-17-15-26-13-11-25-12-14-27-16-1

InchiKey:

O FYWYZJPKSUWIB-UHFFFAOYSA-N

Formula:

C₂₄H₅₄O₇Si₂

SMILES:

CC(C)(C)[Si](C)(C)OCCOCCOCCOCCOCCOCCO[Si](C)(C)C(C)(C)C

Mol. weight [g/mol]:

510.85

Physical Properties

Property code	Value	Unit	Source
log10ws	0.42		Crippen Method
logp	5.113		Crippen Method
rinpol	2745.10		NIST Webbook

Sources

Crippen Method:

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

NIST Webbook:

<http://webbook.nist.gov/cgi/cbook.cgi?ID=U352089&Units=SI>

Crippen Method:

<http://pubs.acs.org/doi/abs/10.1021/ci990307l>

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.chemeo.com/cid/25-046-3/tert-Butyl-2-2-2-2-2-2-tert-butyldimethylsilyl-oxyethoxy-ethoxy-ethoxy-ethoxy-e>

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