

Silane, dimethyldimethyl((dodec-9-ynyloxy)silyloxy)pentyl

Inchi: InChI=1S/C21H44O3Si2/c1-7-9-11-12-13-14-15-16-17-19-21-23-26(5,6)24-25(3,4)22-20
InchiKey: GQKFOZGHYYSBPW-UHFFFAOYSA-N
Formula: C21H44O3Si2
SMILES: CCC#CCCCCCCCO[Si](C)(C)O[Si](C)(C)OCCCCC
Mol. weight [g/mol]: 400.74

Physical Properties

| Property code | Value | Unit | Source |
|---------------|---------|------|----------------|
| log10ws | -2.94 | | Crippen Method |
| logp | 6.774 | | Crippen Method |
| rinpol | 2123.00 | | NIST Webbook |
| rinpol | 2123.00 | | 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=U347884&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.chemeo.com/cid/57-981-0/Silane-dimethyldimethyl-dodec-9-ynyloxy-silyloxy-pentyl.pdf>

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