

8-Octadecenoic acid, trimethylsilyl ester

Inchi: InChI=1S/C21H42O2Si/c1-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21(22)23-24(2,3)
InchiKey: UBDAQMOULBUVFK-BUHFOSPRSA-N
Formula: C21H42O2Si
SMILES: CCCCCCCCC=CCCCCCCC(=O)O[Si](C)(C)C
Mol. weight [g/mol]: 354.64

Physical Properties

| Property code | Value | Unit | Source |
|---------------|---------|------|----------------|
| log10ws | -5.38 | | Crippen Method |
| logp | 7.402 | | Crippen Method |
| rinpol | 2209.00 | | NIST Webbook |
| rinpol | 2209.00 | | 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=R166804&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/58-693-9/8-Octadecenoic-acid-trimethylsilyl-ester.pdf>

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