

Myristic acid, 2,3-bis(trimethylsiloxy)propyl ester

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|-----------------------------|--|
| Other names: | Tetradecanoic acid, 2,3-bis-(OTMS) propyl ester Tetradecanoic acid, 2,3-bis-(OTMS) propyl ester («alpha»-glyceryl myristate) 1-Monomyristin, 2tms derivative |
| Inchi: | InChI=1S/C23H50O4Si2/c1-8-9-10-11-12-13-14-15-16-17-18-19-23(24)25-20-22(27-29(5 |
| InchiKey: | UUJZLZNTNOGCRI-UHFFFAOYSA-N |
| Formula: | C23H50O4Si2 |
| SMILES: | CCCCCCCCCCCCC(=O)OCC(CO[Si](C)(C)C)O[Si](C)(C)C |
| Mol. weight [g/mol]: | 446.81 |
| CAS: | 1188-73-4 |

Physical Properties

| Property code | Value | Unit | Source |
|---------------|---------|------|----------------|
| log10ws | -2.70 | | Crippen Method |
| logp | 7.302 | | Crippen Method |
| rinpol | 2424.00 | | NIST Webbook |
| rinpol | 2418.00 | | NIST Webbook |
| rinpol | 2424.00 | | NIST Webbook |

Sources

| | |
|------------------------|---|
| Crippen Method: | https://www.chemeo.com/doc/models/crippen_log10ws |
| NIST Webbook: | http://webbook.nist.gov/cgi/cbook.cgi?ID=C1188734&Units=SI |
| Crippen Method: | http://pubs.acs.org/doi/abs/10.1021/ci9903071 |

Legend

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

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