

Elaidic acid, tert-butyldimethylsilyl ester

Inchi: InChI=1S/C24H48O2Si/c1-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23(25)26-27(
InchiKey: AHEYVESKZHRBPB-CCEZHUSRSA-N
Formula: C24H48O2Si
SMILES: CCCCCCCCC=CCCCCCCC(=O)O[Si](C)(C)C(C)(C)C
Mol. weight [g/mol]: 396.72

Physical Properties

| Property code | Value | Unit | Source |
|---------------|---------|------|----------------|
| log10ws | -6.64 | | Crippen Method |
| logp | 8.572 | | Crippen Method |
| rinpol | 2465.60 | | NIST Webbook |
| rinpol | 2465.60 | | NIST Webbook |

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=U332941&Units=SI>
Crippen Method: <http://pubs.acs.org/doi/abs/10.1021/ci9903071>
Crippen Method: https://www.cheméo.com/doc/models/crippen_log10ws

Legend

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

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<https://www.cheméo.com/cid/95-789-2/Elaidic-acid-tert-butyldimethylsilyl-ester.pdf>

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