

Cyclopentanecarboxylic acid, trimethylsilyl ester

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|----------------------|--|
| Other names: | Cyclopentylcarboxylic acid, tms derivative |
| Inchi: | InChI=1S/C9H18O2Si/c1-12(2,3)11-9(10)8-6-4-5-7-8/h8H,4-7H2,1-3H3 |
| InchiKey: | RCNLUVBAZAMEIC-UHFFFAOYSA-N |
| Formula: | C9H18O2Si |
| SMILES: | C[Si](C)(C)OC(=O)C1CCCC1 |
| Mol. weight [g/mol]: | 186.32 |
| CAS: | 84678-75-1 |

Physical Properties

| Property code | Value | Unit | Source |
|---------------|---------|------|----------------|
| log10ws | -0.16 | | Crippen Method |
| logp | 2.555 | | Crippen Method |
| rinpola | 1096.00 | | NIST Webbook |
| rinpola | 1096.00 | | NIST Webbook |

Sources

| | |
|-----------------|---|
| Crippen Method: | https://www.chemeo.com/doc/models/crippen_log10ws |
| NIST Webbook: | http://webbook.nist.gov/cgi/cbook.cgi?ID=C84678751&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 |
| rinpola: | Non-polar retention indices |

Latest version available from:

<https://www.chemeo.com/cid/11-628-2/Cyclopentanecarboxylic-acid-trimethylsilyl-ester.pdf>

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