# 3-Ketovaleric acid, bis(trimethylsilyl)-

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|---|---|
| **Other names:** | 3-Oxovaleric acid, di(trimethylsilyl) deriv. |
| | Trimethylsilyl 3-[(trimethylsilyl)oxy]-2-pentenoate |
| | 3-Ketovaleric acid, enol, di-TMS |
| | 3-Ketovaleric acid, enol, di-TMS, #2 |
| | 3-Ketovaleric acid, enol, di-TMS, #1 |
| **Inchi:** | InChI=1S/C11H24O3Si2/c1-8-10(13-15(2,3)4)9-11(12)14-16(5,6)7/h9H,8H2,1-7H3/b10-9 |
| **InchiKey:** | JTLUJJMBZMUDAC-KTKRTIGZSA-N |
| **Formula:** | C11H24O3Si2 |
| **SMILES:** | CCC(=CC(=O)O[Si](C)(C)C)O[Si](C)(C)C |
| **Mol. weight [g/mol]:** | 260.48 |
| **CAS:** | 98779-01-2 |

## Physical Properties

| Property code | Value | Unit | Source |
|---|---|---|---|
| log10ws | 1.17 | | Crippen Method |
| logp | 3.510 | | Crippen Method |
| rinpol | 1304.00 | | NIST Webbook |
| rinpol | 1283.00 | | NIST Webbook |
| rinpol | 1297.00 | | NIST Webbook |
| rinpol | 1283.00 | | NIST Webbook |
| rinpol | 1283.00 | | NIST Webbook |

## Sources

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|---|---|
| **Crippen Method:** | http://pubs.acs.org/doi/abs/10.1021/ci990307l |
| **Crippen Method:** | https://www.chemeo.com/doc/models/crippen_log10ws |
| **NIST Webbook:** | http://webbook.nist.gov/cgi/cbook.cgi?ID=C98779012&Units=SI |

## Legend

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|---|---|
| **log10ws:** | Log10 of Water solubility in mol/l |

**logp:** Octanol/Water partition coefficient

**rinpol:** Non-polar retention indices