

N,N',o-Tris-(trimethylsilyl)lysine

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|-----------------------------|--|
| Other names: | Lysine, 3tms derivative |
| Inchi: | InChI=1S/C15H38N2O2Si3/c1-20(2,3)16-13-11-10-12-14(17-21(4,5)6)15(18)19-22(7,8)9 |
| InchiKey: | CONSIKXDFYFFH-UHFFFAOYSA-N |
| Formula: | C15H38N2O2Si3 |
| SMILES: | <chem>C[Si](C)(C)NCCCCC(N[Si](C)(C)C)C(=O)O[Si](C)(C)C</chem> |
| Mol. weight [g/mol]: | 362.73 |
| CAS: | 7415-18-1 |

Physical Properties

| Property code | Value | Unit | Source |
|---------------|---------|------|----------------|
| log10ws | 2.39 | | Crippen Method |
| logp | 3.752 | | Crippen Method |
| rinpol | 1953.89 | | NIST Webbook |
| rinpol | 1950.38 | | NIST Webbook |
| rinpol | 1958.35 | | NIST Webbook |
| rinpol | 1952.97 | | NIST Webbook |
| rinpol | 1956.00 | | NIST Webbook |
| rinpol | 1687.10 | | NIST Webbook |
| rinpol | 1947.43 | | NIST Webbook |
| rinpol | 1941.81 | | 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=C24595695&Units=SI |

Legend

| | |
|-----------------|-------------------------------------|
| log10ws: | Log10 of Water solubility in mol/l |
| logp: | Octanol/Water partition coefficient |

rinpol: Non-polar retention indices

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