

N,O-Bis(trimethylsilyl)-L-phenylalanine

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| Other names: | L-Phenylalanine, N-(trimethylsilyl)-, trimethylsilyl ester Bis(trimethylsilyl)phenylalanine Alanine, 3-phenyl-N-(trimethylsilyl)-, trimethylsilyl ester, L- N-(Trimethylsilyl)-L-phenylalanine trimethylsilyl ester |
| Inchi: | InChI=1S/C15H27NO2Si2/c1-19(2,3)16-14(15(17)18-20(4,5)6)12-13-10-8-7-9-11-13/h7-1 |
| InchiKey: | DWNFNBPPSFIIBG-UHFFFAOYSA-N |
| Formula: | C15H27NO2Si2 |
| SMILES: | <chem>C[Si](C)(C)NC(Cc1ccccc1)C(=O)O[Si](C)(C)C</chem> |
| Mol. weight [g/mol]: | 309.55 |
| CAS: | 7364-51-4 |

Physical Properties

| Property code | Value | Unit | Source |
|---------------|-------|------|----------------|
| log10ws | 0.53 | | Crippen Method |
| logp | 3.400 | | Crippen Method |

Sources

| | |
|------------------------|---|
| 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=C7364514&Units=SI |

Legend

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

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<https://www.chemeo.com/cid/69-448-9/N-O-Bis-trimethylsilyl-L-phenylalanine.pdf>

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