

# Silanediamine, 1,1-dimethyl-N,N'-diphenyl-

|                             |   |
|-----------------------------|---|
| <b>Other names:</b>         | Bis(phenylamino)dimethylsilane<br>dianilinodimethylsilane                         |
| <b>Inchi:</b>               | InChI=1S/C14H18N2Si/c1-17(2,15-13-9-5-3-6-10-13)16-14-11-7-4-8-12-14/h3-12,15-16H |
| <b>InchiKey:</b>            | LMBXAKYWWMNNCR-UHFFFAOYSA-N   |
| <b>Formula:</b>             | C14H18N2Si  |
| <b>SMILES:</b>              | C[Si](C)(Nc1ccccc1)Nc1ccccc1  |
| <b>Mol. weight [g/mol]:</b> | 242.39  |
| <b>CAS:</b>                 | 13435-09-1  |

## Physical Properties

| Property code | Value | Unit | Source         |
|---------------|-------|------|----------------|
| log10ws       | -1.77 |      | Crippen Method |
| logp          | 3.912 |      | Crippen Method |

## Sources

|                        |   |
|------------------------|---|
| <b>Crippen Method:</b> | <a href="https://www.chemeo.com/doc/models/crippen_log10ws">https://www.chemeo.com/doc/models/crippen_log10ws</a>                             |
| <b>NIST Webbook:</b>   | <a href="http://webbook.nist.gov/cgi/cbook.cgi?ID=C13435091&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=C13435091&amp;Units=SI</a> |
| <b>Crippen Method:</b> | <a href="http://pubs.acs.org/doi/abs/10.1021/ci9903071">http://pubs.acs.org/doi/abs/10.1021/ci9903071</a>                                     |

## Legend

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

Latest version available from:

<https://www.chemeo.com/cid/82-482-6/Silanediamine-1-1-dimethyl-N-N-diphenyl.pdf>

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