

# Dibutoxy(dimethyl)silane

|                             |  |
|-----------------------------|--|
| <b>Other names:</b>         | Dibutyloxydimethylsilane   |
| <b>Inchi:</b>               | InChI=1S/C10H24O2Si/c1-5-7-9-11-13(3,4)12-10-8-6-2/h5-10H2,1-4H3 |
| <b>InchiKey:</b>            | GQNWJCQWBFHQAO-UHFFFAOYSA-N                                      |
| <b>Formula:</b>             | C10H24O2Si   |
| <b>SMILES:</b>              | CCCCO[Si](C)(C)OCCCC   |
| <b>Mol. weight [g/mol]:</b> | 204.38   |

## Physical Properties

| Property code | Value   | Unit | Source         |
|---------------|---------|------|----------------|
| log10ws       | -0.82   |      | Crippen Method |
| logp          | 3.322   |      | Crippen Method |
| rinpola       | 1024.00 |      | NIST Webbook   |
| rinpola       | 1024.00 |      | NIST Webbook   |
| rinpola       | 1024.00 |      | NIST Webbook   |

## 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=U334082&amp;Units=SI">http://webbook.nist.gov/cgi/cbook.cgi?ID=U334082&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 |
| <b>rinpola:</b> | Non-polar retention indices         |

Latest version available from:

<https://www.chemeo.com/cid/93-295-2/Dibutoxy-dimethyl-silane.pdf>

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