

Silane, methyltriphenoxy-

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|-----------------------------|---|
| Other names: | Methyltriphenoxysilane |
| Inchi: | InChI=1S/C19H18O3Si/c1-23(20-17-11-5-2-6-12-17,21-18-13-7-3-8-14-18)22-19-15-9-4- |
| InchiKey: | DRXHEPWCWBIQFJ-UHFFFAOYSA-N |
| Formula: | C19H18O3Si |
| SMILES: | C[Si](Oc1ccccc1)(Oc1ccccc1)Oc1ccccc1 |
| Mol. weight [g/mol]: | 322.43 |
| CAS: | 3439-97-2 |

Physical Properties

| Property code | Value | Unit | Source |
|---------------|--------------|--------|----------------|
| hvap | 71.50 ± 0.90 | kJ/mol | NIST Webbook |
| log10ws | -3.51 | | Crippen Method |
| logp | 4.792 | | Crippen Method |

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=C3439972&Units=SI |

Legend

| | |
|-----------------|---|
| hvap: | Enthalpy of vaporization at standard conditions |
| log10ws: | Log10 of Water solubility in mol/l |
| logp: | Octanol/Water partition coefficient |

Latest version available from:

<https://www.chemeo.com/cid/91-890-3/Silane-methyltriphenoxy.pdf>

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