

Tetrasilane, decamethyl-

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|-----------------------------|---|
| Other names: | Decamethyltetrasilane n-Si ₄ (CH ₃) ₁₀ Permethyltetrasilane |
| Inchi: | InChI=1S/C10H30Si4/c1-11(2,3)13(7,8)14(9,10)12(4,5)6/h1-10H3 |
| InchiKey: | WYNNMDYMPQMXFH-UHFFFAOYSA-N |
| Formula: | C ₁₀ H ₃₀ Si ₄ |
| SMILES: | C[Si](C)(C)[Si](C)(C)[Si](C)(C)[Si](C)(C)C |
| Mol. weight [g/mol]: | 262.69 |
| CAS: | 865-76-9 |

Physical Properties

| Property code | Value | Unit | Source |
|----------------------|-------|------|----------------|
| log ₁₀ ws | 5.59 | | Crippen Method |
| logp | 4.315 | | Crippen Method |

Sources

| | |
|------------------------|---|
| NIST Webbook: | http://webbook.nist.gov/cgi/cbook.cgi?ID=C865769&Units=SI |
| Crippen Method: | http://pubs.acs.org/doi/abs/10.1021/ci9903071 |
| Crippen Method: | https://www.chemeo.com/doc/models/crippen_log10ws |

Legend

| | |
|----------------------------|--|
| log₁₀ws: | Log ₁₀ of Water solubility in mol/l |
| logp: | Octanol/Water partition coefficient |

Latest version available from:

<https://www.chemeo.com/cid/79-771-9/Tetrasilane-decamethyl.pdf>

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