

Difluorosilane thiol

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|-----------------------------|---------------------------------|
| Inchi: | InChI=1S/F2H2SSi/c1-4(2)3/h3-4H |
| InchiKey: | NGTJNKGFQRKYRW-UHFFFAOYSA-N |
| Formula: | F2H2SSi |
| SMILES: | F[SiH](F)S |
| Mol. weight [g/mol]: | 100.16 |
| CAS: | 24628-34-0 |

Physical Properties

| Property code | Value | Unit | Source |
|---------------|--------------|------|----------------|
| ie | 10.70 ± 0.30 | eV | NIST Webbook |
| log10ws | 1.40 | | Crippen Method |
| logp | 0.572 | | Crippen Method |

Sources

| | |
|------------------------|---|
| Crippen Method: | https://www.chemeo.com/doc/models/crippen_log10ws |
| NIST Webbook: | http://webbook.nist.gov/cgi/cbook.cgi?ID=C24628340&Units=SI |
| Crippen Method: | http://pubs.acs.org/doi/abs/10.1021/ci9903071 |

Legend

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

Latest version available from:

<https://www.chemeo.com/cid/38-002-7/Difluorosilane-thiol.pdf>

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