

Disilicon tetrafluoride, compound with hydrogen sulfide

Inchi:	InChI=1S/F4H2SSi2/c1-6(2)7(3,4)5/h5-6H
InchiKey:	WDDZABFPEVGQNV-UHFFFAOYSA-N
Formula:	F4H2SSi2
SMILES:	F[SiH](F)[Si](F)(F)S
Mol. weight [g/mol]:	166.25
CAS:	24628-35-1

Physical Properties

Property code	Value	Unit	Source
ie	10.60 ± 0.30	eV	NIST Webbook
log10ws	2.89		Crippen Method
logp	1.032		Crippen Method

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C24628351&Units=SI

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/26-791-5/Disilicon-tetrafluoride-compound-with-hydrogen-sulfide.pdf>

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