

Silane, difluorodimethyl-

Other names:	Difluorodimethylsilane Dimethyldifluorosilane (CH ₃) ₂ SiF ₂
Inchi:	InChI=1S/C2H6F2Si/c1-5(2,3)4/h1-2H3
InchiKey:	XRRDNAZMVAXXQP-UHFFFAOYSA-N
Formula:	C ₂ H ₆ F ₂ Si
SMILES:	C[Si](C)(F)F
Mol. weight [g/mol]:	96.15
CAS:	353-66-2

Physical Properties

Property code	Value	Unit	Source
ie	11.03 ± 0.03	eV	NIST Webbook
ie	11.50	eV	NIST Webbook
log10ws	1.00		Crippen Method
logp	1.627		Crippen Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C353662&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

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/69-662-1/Silane-difluorodimethyl.pdf>

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