

Arsine, ethyldifluoro-

Other names:	Ethyl difluoroarsine Ethyl difluorarsine
Inchi:	InChI=1S/C2H5AsF2/c1-2-3(4)5/h2H2,1H3
InchiKey:	CHUHYLRGMQKOB-IUHFFFAOYSA-N
Formula:	C2H5AsF2
SMILES:	CC[As](F)F
Mol. weight [g/mol]:	141.98
CAS:	430-40-0

Physical Properties

Property code	Value	Unit	Source
log10ws	0.97		Crippen Method
logp	1.433		Crippen Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	33.90	kJ/mol	307.50	NIST Webbook

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=C430400&Units=SI

Legend

hvapt:	Enthalpy of vaporization at a given temperature
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log10ws: Log10 of Water solubility in mol/l
logp: Octanol/Water partition coefficient

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