

Arsine, difluoromethyl

Other names:	TL 467 Arsonous difluoride, methyl- Methyl difluoroarsine Methyl difluoroarsine
Inchi:	InChI=1S/CH3AsF2/c1-2(3)4/h1H3
InchiKey:	ZXGHMKKZOQXXKB-UHFFFAOYSA-N
Formula:	CH3AsF2
SMILES:	C[As](F)F
Mol. weight [g/mol]:	127.95
CAS:	420-24-6

Physical Properties

Property code	Value	Unit	Source
log10ws	1.38		Crippen Method
logp	1.043		Crippen Method

Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hvapt	35.50	kJ/mol	297.00	NIST Webbook

Sources

Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C420246&Units=SI

Legend

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

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