

Arsine, (trifluoromethyl)-

Other names:	(Trifluoromethyl)arsine
Inchi:	InChI=1S/CH2AsF3/c2-1(3,4)5/h2H2
InchiKey:	WDIPNBNCPIUUBE-UHFFFAOYSA-N
Formula:	CH2AsF3
SMILES:	FC(F)(F)[AsH2]
Mol. weight [g/mol]:	145.94
CAS:	420-42-8

Physical Properties

Property code	Value	Unit	Source
ie	10.25	eV	NIST Webbook
ie	11.00	eV	NIST Webbook
log10ws	1.95		Crippen Method
logp	0.139		Crippen Method

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C420428&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/58-705-5/Arsine-trifluoromethyl.pdf>

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