Arsine, tris(trifluoromethyl)-

Other names:	Tris(trifluoromethyl)arsine
Inchi:	InChI=1S/C3AsF9/c5-1(6,7)4(2(8,9)10)3(11,12)13
InchiKey:	VFVFCTMWNMGBFD-UHFFFAOYSA-N
Formula:	C3AsF9
SMILES:	FC(F)(F)[As](C(F)(F)F)C(F)(F)F
Mol. weight [g/mol]:	281.94
CAS:	432-02-0

Physical Properties

Property code	Value	Unit	Source
ie	10.90	eV	NIST Webbook
ie	11.00 ± 0.10	eV	NIST Webbook
ie	11.41	eV	NIST Webbook
log10ws	-0.83		Crippen Method
logp	2.786		Crippen Method

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C432020&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l

Legend

ie:	Ionization energy
log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient

Cheméo (https://www.chemeo.com) is the biggest free database of chemical and physical data for the process industry.