

Arsine, chlorodimethyl-

Other names:	Arsinous chloride, dimethyl- Cacodyl chloride Chlorodimethylarsine Dimethylchlorarsine Dimethylchloroarsine
Inchi:	InChI=1S/C2H6AsCl/c1-3(2)4/h1-2H3
InchiKey:	DXCZGVVDXIPLCQ-UHFFFAOYSA-N
Formula:	C2H6AsCl
SMILES:	C[As](C)Cl
Mol. weight [g/mol]:	140.44
CAS:	557-89-1

Physical Properties

Property code	Value	Unit	Source
ie	9.90 ± 0.10	eV	NIST Webbook
log10ws	1.10		Crippen Method
logp	1.476		Crippen Method

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C557891&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci9903071

Legend

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

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<https://www.cheméo.com/cid/12-255-5/Arsine-chlorodimethyl.pdf>

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