

CHLORODIPHENYLARSINE

Other names:	Diphenyl chloroarsine
	Arsinous chloride, diphenyl-
	Arsine, chlorodiphenyl
	Blue cross
	Chlor-difenylarsin
	Clark I
	DA
	Difenylchlorarsin
	Diphenylchloorarsine
	Sneezing gas
	UN 1699
	Clark 1
	Diphenylarsenic chloride
Inchi:	InChI=1S/C12H10AsCl/c14-13(11-7-3-1-4-8-11)12-9-5-2-6-10-12/h1-10H
InchiKey:	YHHKGKCOLGRKKB-UHFFFAOYSA-N
Formula:	C12H10AsCl
SMILES:	Cl[As](c1ccccc1)c1ccccc1
Mol. weight [g/mol]:	264.59

Physical Properties

Property code	Value	Unit	Source
ie	8.47	eV	Cheméo Relay (1.0)
logp	2.031		Crippen Method
rinpol	1734.00		NIST Webbook
rinpol	1734.00		NIST Webbook
tb	578.95	K	Cheméo Relay (1.0)
tf	282.64	K	Cheméo Relay (1.0)

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C712481&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
Cheméo Relay (1.0):	

Legend

ie:	Ionization energy
logp:	Octanol/Water partition coefficient
rinpol:	Non-polar retention indices
tb:	Normal Boiling Point Temperature
tf:	Normal melting (fusion) point

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<https://www.chemeo.com/cid/23-326-4/CHLORODIPHENYLARSINE.pdf>

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