

Nitrogen monochloride

Inchi:	InChI=1S/CIN/c1-2
InchiKey:	FCRWGDJBFPDQPO-UHFFFAOYSA-N
Formula:	CIN
SMILES:	[N]Cl
Mol. weight [g/mol]:	49.46
CAS:	12190-75-9

Physical Properties

Property code	Value	Unit	Source
ie	9.69 ± 0.02	eV	NIST Webbook
log10ws	4.34		Crippen Method
logp	0.209		Crippen Method
mcvol	28.780	ml/mol	McGowan Method

Sources

Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws
McGowan Method:	http://link.springer.com/article/10.1007/BF02311772
NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C12190759&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
mcvol:	McGowan's characteristic volume

Latest version available from:

<https://www.chemeo.com/cid/71-736-6/Nitrogen-monochloride.pdf>

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