

# 2-Pyridinecarboxylic acid, 4-amino-3,5,6-trichloro-, methyl ester

<b>Other names:</b>	Picolinic acid, 4-amino-3,5,6-trichloro-, methyl ester Methyl 4-amino-3,5,6-trichloropicolinate 4-Amino-3,5,6-trichloropicolinic acid methyl ester Picloram-methyl ester Pichloram methyl ester 2-Pyridinecarboxylic acid, 4-amino-3,5,6-trichloro-, methylated Picloram (methylated) Methyl 4-amino-3,5,6-trichloro-2-picolinate
<b>Inchi:</b>	InChI=1S/C7H5Cl3N2O2/c1-14-7(13)5-2(8)4(11)3(9)6(10)12-5/h1H3,(H2,11,12)
<b>InchiKey:</b>	RJQUHEYNLDNJLN-UHFFFAOYSA-N
<b>Formula:</b>	C7H5Cl3N2O2
<b>SMILES:</b>	COC(=O)c1nc(Cl)c(Cl)c(N)c1Cl
<b>Mol. weight [g/mol]:</b>	255.49
<b>CAS:</b>	14143-55-6

## Physical Properties

Property code	Value	Unit	Source
log10ws	-3.17		Crippen Method
logp	2.411		Crippen Method
mcvol	149.850	ml/mol	McGowan Method
rinpol	1837.00		NIST Webbook
rinpol	1872.00		NIST Webbook
rinpol	1837.00		NIST Webbook

## Temperature Dependent Properties

Property code	Value	Unit	Temperature [K]	Source
hfust	26.78	kJ/mol	394.30	NIST Webbook

## Sources

**Crippen Method:** [https://www.chemeo.com/doc/models/crippen\\_log10ws](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=C14143556&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>

## Legend

**hfust:** Enthalpy of fusion at a given temperature  
**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume  
**rinpol:** Non-polar retention indices

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