

# Picloram

<b>Other names:</b>	2-Pyridinecarboxylic acid, 4-amino-3,5,6-trichloro-3,5,6-Trichloro-4-aminopicolinic acid 4-Amino-3,5,6-trichloro-2-picolinic acid 4-Amino-3,5,6-trichloro-2-pyridinecarboxylic acid 4-Amino-3,5,6-trichloropicolinic acid 4-Amino-3,5,6-trichloropyridine-2-carboxylic acid 4-Amino-3,5,6-trichloropicolinsaeure 4-Aminotrichloropicolinic acid ATCP Amdon Amdon grazon Borolin Grazon NCI-C00237 NSC 233899 Piclorame Picolinic acid, 4-amino-3,5,6-trichloro-Tordon Tordon 101 mixture Tordon 10K Tordon 22K k-Pin
<b>Inchi:</b>	InChI=1S/C6H3Cl3N2O2/c7-1-3(10)2(8)5(9)11-4(1)6(12)13/h(H2,10,11)(H,12,13)
<b>InchiKey:</b>	NQQVFXUMIDALNH-UHFFFAOYSA-N
<b>Formula:</b>	C6H3Cl3N2O2
<b>SMILES:</b>	<chem>Nc1c(Cl)c(Cl)nc(C(=O)O)c1Cl</chem>
<b>Mol. weight [g/mol]:</b>	241.46
<b>CAS:</b>	1918-02-1

## Physical Properties

Property code	Value	Unit	Source
log10ws	-2.75		Aqueous Solubility Prediction Method
logp	2.322		Crippen Method
mcvol	135.760	ml/mol	McGowan Method
tf	491.65	K	Aqueous Solubility Prediction Method

# Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C1918021&Units=SI>  
**Crippen Method:** <http://pubs.acs.org/doi/abs/10.1021/ci9903071>  
**Aqueous Solubility Prediction Method:** <http://onschallenge.wikispaces.com/file/view/AqueousDataset002.xlsx/351826032/AqueousDa>  
**McGowan Method:** <http://link.springer.com/article/10.1007/BF02311772>

# Legend

**log10ws:** Log10 of Water solubility in mol/l  
**logp:** Octanol/Water partition coefficient  
**mcvol:** McGowan's characteristic volume  
**tf:** Normal melting (fusion) point

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