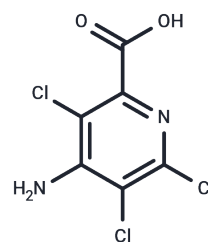


## Picloram

## Chemical Properties

CAS No. :	1918-02-1
Formula:	C <sub>6</sub> H <sub>3</sub> Cl <sub>3</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight:	241.46
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Picloram (Tordon) is an auxin-type herbicide with carcinogenic properties. It can control herbaceous weeds and woody plants.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 80 mg/mL (331.32 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1415 mL	20.7074 mL	41.4147 mL
5 mM	0.8283 mL	4.1415 mL	8.2829 mL
10 mM	0.4141 mL	2.0707 mL	4.1415 mL
50 mM	0.0828 mL	0.4141 mL	0.8283 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

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- Kathare PK, et al. Arabidopsis PIC30 encodes a major facilitator superfamily transporter responsible for the uptake of picolinate herbicides. *Plant J*. 2020 Apr;102(1):18-33.
- Gantait S, et al. Picloram-induced enhanced callus-mediated regeneration, acclimatization, and genetic clonality assessment of gerbera. *J Genet Eng Biotechnol*. 2021 Nov 15;19(1):175.

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