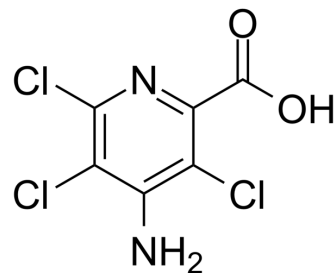


Picloram

Cat. No.:	HY-B2034
CAS No.:	1918-02-1
Molecular Formula:	C ₆ H ₃ Cl ₃ N ₂ O ₂
Molecular Weight:	241.46
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (414.15 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Picloram is an auxinic herbicide that is widely used for controlling broad leaf weeds^[1].

REFERENCES

[1]. Praveen K Kathare , 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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