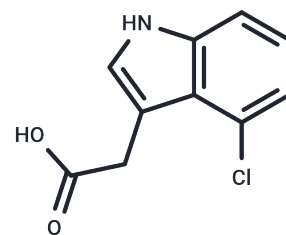


4-Chloroindole-3-acetic acid

Chemical Properties

CAS No. :	2519-61-1
Formula:	C ₁₀ H ₈ ClNO ₂
Molecular Weight:	209.63
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	4-Chloroindole-3-acetic acid is a chlorinated analog of the plant auxin indole-3-acetic acid (IAA). It exists in the seeds of Medicago truncatula, Indian crowfoot and clover, acting as a plant hormone.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 80 mg/mL (381.62 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	4.7703 mL	23.8515 mL	47.7031 mL
5 mM	0.9541 mL	4.7703 mL	9.5406 mL
10 mM	0.477 mL	2.3852 mL	4.7703 mL
50 mM	0.0954 mL	0.477 mL	0.9541 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

Reinecke D M. 4-Chloroindole-3-acetic acid and plant growth[J]. Plant Growth Regulation, 1999, 27: 3-13.

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