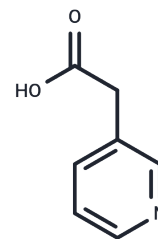


3-Pyridineacetic acid

Chemical Properties

CAS No. :	501-81-5
Formula:	C7H7NO2
Molecular Weight:	137.14
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	3-Pyridineacetic acid is a close analog of nicotinic acid and a metabolic breakdown product of nicotine and other tobacco alkaloids in the body; it acts as an agonist at the nicotinic acid receptor RUP25 (EC50 = 3 μ M).
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 16.00 mg/mL (116.67 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	7.2918 mL	36.4591 mL	72.9182 mL
5 mM	1.4584 mL	7.2918 mL	14.5836 mL
10 mM	0.7292 mL	3.6459 mL	7.2918 mL
50 mM	0.1458 mL	0.7292 mL	1.4584 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

- GINOULHIAC E, et al. 3-Pyridineacetic acid and nicotinic acid: blood levels, urinary elimination and excretion of nicotinic acid derivatives in man. *Nature*. 1962 Mar 10;193:948-9.
- Zwickenpflug W, et al. Metabolism of myosmine in Wistar rats. *Drug Metab Dispos*. 2005 Nov;33(11):1648-56.
- WO2005011677 A1-Preparation of 5-substituted 2H-pyrazole-3-carboxylic acid derivatives as agonists for the RUP25 nicotinic acid receptor for the treatment of dyslipidemia and related diseases

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