

## Imidazol-1-yl-acetic acid

## Chemical Properties

CAS No. :	22884-10-2
Formula:	C <sub>5</sub> H <sub>6</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight:	126.12
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	Imidazol-1-yl-acetic acid is a natural product that inhibits Sodium- and chloride-dependent betaine transporter and is applicable to life science research.
Targets(IC50)	Endogenous Metabolite

## Solubility Information

Solubility	DMSO: 1.60 mg/mL (12.69 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	7.929 mL	39.6448 mL	79.2896 mL
5 mM	1.5858 mL	7.929 mL	15.8579 mL
10 mM	0.7929 mL	3.9645 mL	7.929 mL
50 mM	0.1586 mL	0.7929 mL	1.5858 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

Hack S, et al. Development of imidazole alkanolic acids as mGAT3 selective GABA uptake inhibitors. Eur J Med Chem. 2011 May;46(5):1483-98.

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