

## Methyl 3-aminopropanoate hydrochloride

## Chemical Properties

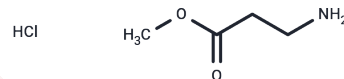
CAS No. : 3196-73-4

Formula: C<sub>4</sub>H<sub>10</sub>ClNO<sub>2</sub>

Molecular Weight: 139.58

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Methyl 3-aminopropanoate hydrochloride ( $\beta$ -Alanine methyl ester hydrochloride) is the ethyl ester of the non-essential amino acid $\beta$ -alanine.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 27.5 mg/mL (197.02 mM),Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (14.33 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.1644 mL	35.8218 mL	71.6435 mL
5 mM	1.4329 mL	7.1644 mL	14.3287 mL
10 mM	0.7164 mL	3.5822 mL	7.1644 mL
50 mM	0.1433 mL	0.7164 mL	1.4329 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.

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