

$\beta$ -Methyl L-aspartate hydrochloride

## Chemical Properties

CAS No. :	16856-13-6
Formula:	C <sub>5</sub> H <sub>10</sub> ClNO <sub>4</sub>
Molecular Weight:	183.59
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	$\beta$ -Methyl L-aspartate hydrochloride (L-Aspartic acid $\beta$ -methyl ester hydrochloride) is an aspartic acid derivative commonly used to synthesize various compounds and is related to body immunity and metabolism.
Targets(IC50)	Amino Acids and Derivatives

## Solubility Information

Solubility	DMSO: 18.36 mg/mL (100.01 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.4469 mL	27.2346 mL	54.4692 mL
5 mM	1.0894 mL	5.4469 mL	10.8938 mL
10 mM	0.5447 mL	2.7235 mL	5.4469 mL
50 mM	0.1089 mL	0.5447 mL	1.0894 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

Luckose F, et al. Effects of amino acid derivatives on physical, mental, and physiological activities. Crit Rev Food Sci Nutr. 2015;55(13):1793-807.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481