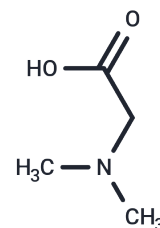


## N,N-Dimethylglycine hydrochloride

## Chemical Properties

CAS No. :	2491-06-7
Formula:	C <sub>4</sub> H <sub>10</sub> ClNO <sub>2</sub>
Molecular Weight:	139.58
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>

HCl



## Biological Description

Description	N,N-Dimethylglycine hydrochloride (N-Methylsarcosine hydrochloride) is a dietary supplement used to improve autism spectrum disorders.
Targets(IC50)	Amino Acids and Derivatives, Endogenous Metabolite, iGluR

## 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.

## Reference

- Allen Robert H., et al. Serum betaine, N, N-dimethylglycine and N-methylglycine levels in patients with cobalamin and folate deficiency and related inborn errors of metabolism. *Metabolism* 42.11 (1993): 1448-1460.
- 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.

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