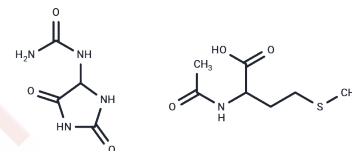


## Allantoin acetyl methionine

## Chemical Properties

CAS No. :	4207-40-3
Formula:	C <sub>11</sub> H <sub>19</sub> N <sub>5</sub> O <sub>6</sub> S
Molecular Weight:	349.36
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	Allantoin acetyl methionine is a protein aggregation suppressor.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8624 mL	14.3119 mL	28.6238 mL
5 mM	0.5725 mL	2.8624 mL	5.7248 mL
10 mM	0.2862 mL	1.4312 mL	2.8624 mL
50 mM	0.0572 mL	0.2862 mL	0.5725 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

- Eslami-Farsani M, Moslehi A, Hatami-Shahmir A. Allantoin improves histopathological evaluations in a rat model of gastritis. *Physiol Int.* 2018 Dec 1;105(4):325-334. doi: 10.1556/2060.105.2018.4.30. Epub 2018 Dec 23. PubMed PMID: 30582339.
- Nishinami S, Hirano A, Arakawa T, Shiraki K. Effects of allantoin and dimethyl sulfoxide on the thermal aggregation of lysozyme. *Int J Biol Macromol.* 2018 Nov;119:180-185. doi: 10.1016/j.ijbiomac.2018.07.043. Epub 2018 Jul 26. PubMed PMID: 30009897.
- Nishinami S, Yoshizawa S, Arakawa T, Shiraki K. Allantoin and hydantoin as new protein aggregation suppressors. *Int J Biol Macromol.* 2018 Jul 15;114:497-503. doi: 10.1016/j.ijbiomac.2018.03.011. Epub 2018 Mar 2. PubMed PMID: 29505874.

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