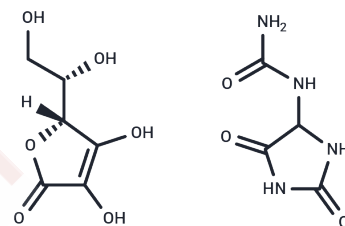


## Allantoin ascorbate

## Chemical Properties

CAS No. :	57448-83-6
Formula:	C <sub>10</sub> H <sub>14</sub> N <sub>4</sub> O <sub>9</sub>
Molecular Weight:	334.24
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 ascorbate is a protein aggregate suppressor.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9919 mL	14.9593 mL	29.9186 mL
5 mM	0.5984 mL	2.9919 mL	5.9837 mL
10 mM	0.2992 mL	1.4959 mL	2.9919 mL
50 mM	0.0598 mL	0.2992 mL	0.5984 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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