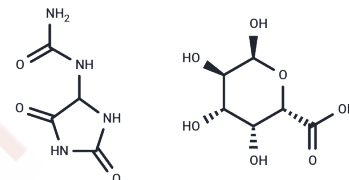


## Allantoin polygalacturonic acid

### Chemical Properties

CAS No. :	29659-38-9
Formula:	C10H16N4O10
Molecular Weight:	352.256
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



### Biological Description

Description	Allantoin polygalacturonic acid is a protein aggregate suppressor.
Targets(IC50)	Others

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8388 mL	14.1941 mL	28.3881 mL
5 mM	0.5678 mL	2.8388 mL	5.6776 mL
10 mM	0.2839 mL	1.4194 mL	2.8388 mL
50 mM	0.0568 mL	0.2839 mL	0.5678 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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