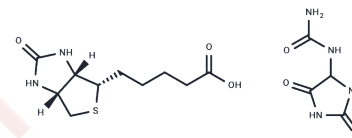


Allantoin biotin

Chemical Properties

CAS No. :	4492-73-3
Formula:	C ₁₄ H ₂₂ N ₆ O ₆ S
Molecular Weight:	402.43
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 biotin is a protein aggregate suppressor.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4849 mL	12.4245 mL	24.849 mL
5 mM	0.497 mL	2.4849 mL	4.9698 mL
10 mM	0.2485 mL	1.2425 mL	2.4849 mL
50 mM	0.0497 mL	0.2485 mL	0.497 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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