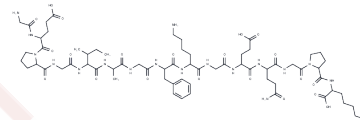


## Collagen (bovine skin)

## Chemical Properties

CAS No. :	9064-67-9
Formula:	C65H102N18O21
Molecular Weight:	1471.64
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	Collagen (bovine skin) is essential for the structure and function of skin, bone, tendon and other tissues. Bovine skin collagen can be used as a scaffold for biomimetic collagen mineralization.
Targets(IC50)	Others

## Solubility Information

Solubility	H2O: 80.00 mg/mL (54.36 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6795 mL	3.3976 mL	6.7951 mL
5 mM	0.1359 mL	0.6795 mL	1.359 mL
10 mM	0.068 mL	0.3398 mL	0.6795 mL
50 mM	0.0136 mL	0.068 mL	0.1359 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

Bingfeng Wu, et al. Biomimetic Mineralized Collagen Scaffolds for Bone Tissue Engineering: Strategies on Elaborate Fabrication for Bioactivity Improvement. Small. 2025 Jan;21(3):e2406441.

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