

Hyaluronic acid Methacryloyl (MW 400 kDa)

Chemical Properties

CAS No. :

Formula:

Molecular Weight: 400000

Keep away from direct sunlight

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	Hyaluronic acid Methacryloyl (MW 400 kDa) is a methacrylated form of hyaluronic acid that exhibits biocompatibility. It functions as a 3D printing hydrogel ink, characterized by rapid photosensitivity, quick gelation speed, and stable hydrogel properties. Upon UV exposure, it can rapidly initiate gelation with lithium phenyl-2,4,6-trimethylbenzoylphosphinate (LAP). Additionally, when combined with tissue-specific extracellular matrix (ECM) materials, such as pancreatic extracellular matrix (pECM), Hyaluronic acid Methacryloyl (MW 400 kDa) serves as a crucial source material for organoid culture.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0025 mL	0.0125 mL	0.025 mL
5 mM	0.0005 mL	0.0025 mL	0.005 mL
10 mM	0.0003 mL	0.0013 mL	0.0025 mL
50 mM	0.000 mL	0.0003 mL	0.0005 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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