

Silk Fibroin Methacryloyl

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

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	Silk Fibroin Methacryloyl (FibMA) is a methacryloyl-modified silk protein known for its excellent biocompatibility, stable mechanical properties, and good processability, making it an ideal substrate for multifunctional microneedle (MN) patches. MN patches crafted from Silk Fibroin Methacryloyl demonstrate impressive biocompatibility, drug release, angiogenesis promotion, antioxidant, and antibacterial properties, depending on the specific drug encapsulated. The substance requires self-assembly into fibrous hydrogels under the influence of the photoinitiator LAP, targeting bioactive adhesion sites for inherent tissue support and biodegradation activity. Applications include cell culture, bio-3D printing, and tissue engineering.
Targets(IC50)	Others

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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