

Elastin Methacrylated

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	Elastin Methacrylated (ElaMA) is a protein that can recruit and modulate innate immune cells, enhancing vascular formation at wound sites and thereby improving tissue regeneration. This compound attracts large numbers of neutrophils and key M2 macrophages to wounds, inducing their infiltration into hydrogels. It exhibits excellent immunomodulatory properties, promoting superior angiogenesis, collagen deposition, and dermal regeneration. When used in combination with the photoinitiator LAP, ElaMA self-assembles into fibrous hydrogels, targeting bioactive adhesion sites and providing intrinsic support and biodegradation for tissue cells. It is applicable in fields such as cell culture, bio 3D printing, and tissue engineering.
Targets(IC50)	Others

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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