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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Hyaluronic acid Methacryloyl (MW 400 kDa)

Cat. No.:	HY-158220	
Molecular Weight:	400000	
Target:	Biochemical Assay Reagents	
Pathway:	Others	Hyaluronic acid Methacryloyl (MW 400 kDa)
Storage:	-20°C, protect from light	
	* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)	

BIOLOGICAL ACTIVITY

Description

Hyaluronic acid Methacryloyl (HAMA) is methacrylated hyaluronic acid that is biocompatible. Hyaluronic acid Methacryloyl is also used as a 3D printing hydrogel ink, which has the characteristics of fast photosensitive response, fast gelation speed and stable hydrogel performance. Hyaluronic acid Methacryloyl can quickly induce gelation with lithium phenyl-2,4,6-trimethylbenzoylphosphinate (LAP) under UV irradiation. The combination of Hyaluronic acid Methacryloyl and tissue-specific extracellular matrix (ECM) materials (such as pancreatic extracellular matrix (pECM)) will become an important source material for organoid culture^{[1][2]}.

REFERENCES

- [1]. Wang D, Guo Y, Zhu J, et al. Hyaluronic acid methacrylate/pancreatic extracellular matrix as a potential 3D printing bioink for constructing islet organoids[J]. Acta biomaterialia, 2023, 165: 86-101.
- [2]. D O'Connell C, Onofrillo C, Duchi S, et al. Evaluation of sterilisation methods for bio-ink components: gelatin, gelatin methacryloyl, hyaluronic acid and hyaluronic acid methacryloyl[J]. Biofabrication, 2019, 11(3): 035003.

Caution: Product has not been fully validated for medical applications. For research use only.

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