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Zuschläge

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Hyaluronic acid Methacryloyl

Cat. No.:	HY-158220	
Target:	Biochemical Assay Reagents	
Pathway:	Others	
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.	Hyaluronic acid Methacryloyl

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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