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Produktinformation



Forschungsprodukte & Biochemikalien



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Chondroitin Sulfate Methacryloyl

Cat. No.:	HY-158221	
Target:	Biochemical Assay Reagents	
Pathway:	Others	
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.	Chondroitin Sulfate Methacryloyl

BIOLOGICAL ACTIVITY

Description

Chondroitin Sulfate Methacryloyl (CSMA) is methacrylated chondroitin sulfate and is biocompatible. Chondroitin Sulfate Methacryloyl has a higher degree of methacrylation than HAMA (HY-158220), and the degree of methacrylation is closely related to customizable mechanical properties, swelling properties and enzymatic degradability. Chondroitin Sulfate Methacryloyl is a versatile biomaterial suitable for biomimetic hydrogel scaffolds and an ideal 3D printing hydrogel ink^[1]. Chondroitin Sulfate Methacryloyl needs to self-assemble into fibrous hydrogel under the action of photoinitiator LAP (HY-44076), and target bioactive adhesion sites, play an inherent supporting role for tissue cells and biodegradable activity. Application: cell culture, biological 3D printing, tissue engineering, etc.

REFERENCES

[1]. Schuurmans C C L, Mihajlovic M, Hiemstra C, et al. Hyaluronic acid and chondroitin sulfate (meth) acrylate-based hydrogels for tissue engineering: Synthesis, characteristics and pre-clinical evaluation[J]. Biomaterials, 2021, 268: 120602.

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

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