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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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GelMA, 90% methacrylation, red fluorescent

Cat. No.:	HY-158218B	
Target:	Biochemical Assay Reagents	
Pathway:	Others	
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.	GelMA, 90% methacrylation, red fluorescent

BIOLOGICAL ACTIVITY

Description

Red Fluorescent Gelatin Methacryloyl (Red Fluorescent GelMA) is methacryloyl gelatin (GelMA) with red fluorescence, which is obtained by "grafting" fluorescent molecules on GelMA. Red Fluorescent Gelatin Methacryloyl acts as a scaffold and can be used to engineer tissue analogs from the vasculature to cartilage and bone, allowing cells to proliferate and spread^{[1][2]}. GelMA, 90% methacrylation, Red Fluorescent 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]. Klotz B J, Gawlitta D, Rosenberg A J W P, et al. Gelatin-methacryloyl hydrogels: towards biofabrication-based tissue repair[J]. Trends in biotechnology, 2016, 34(5): 394-407.
- [2]. Yue K, Trujillo-de Santiago G, Alvarez M M, et al. Synthesis, properties, and biomedical applications of gelatin methacryloyl (GelMA) hydrogels[J]. Biomaterials, 2015, 73: 254-271.

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

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