

GelMA, 90% methacrylation, Green Fluorescent

Cat. No.:	HY-158217B	
Target:	Biochemical Assay Reagents	
Pathway:	Others	
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.	GelMA, 90% methacrylation, Green Fluorescent

BIOLOGICAL ACTIVITY

Description

Green Fluorescent Gelatin Methacryloyl (Green Fluorescent GelMA) is methacryloyl gelatin (GelMA) with green fluorescence, which is obtained by "grafting" fluorescent molecules on GelMA. Green 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, Green 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]. 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.

[2]. 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.

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

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