

Gelatin Methacryloyl, 60% methacrylation, blue fluorescent

Cat. No.:	HY-158219A
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

Gelatin Methacryloyl, 60% methacrylation, blue fluorescent

BIOLOGICAL ACTIVITY

Description

Gelatin Methacryloyl (GelMA), 60% methacrylation, blue fluorescent is methacrylated gelatin (GelMA) with blue fluorescence, which is obtained by "grafting" fluorescent molecules on GelMA. Gelatin Methacryloyl, 60% methacrylation, blue fluorescent has a scaffolding effect and can be used to design tissue analogs from vasculature to cartilage and bone, allowing cell proliferation and spreading. Gelatin Methacryloyl, 30% methacrylation, blue fluorescent needs to be self-assembled into fibrous hydrogels under the action of the photoinitiator LAP (HY-44076), and target bioactive adhesion sites, exert inherent support for tissue cells and biodegradation activity.
Application direction: 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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