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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

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

GelMA, 60% methacrylation, red fluorescent

Cat. No.:	HY-158218A	
Target:	Biochemical Assay Reagents	
Pathway:	Others	
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.	GelMA, 60% 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, 60% 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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA