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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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Poly-L-lysine Methacryloyl

Cat. No.:	HY-158228	
Target:	Biochemical Assay Reagents	
Pathway:	Others	
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.	Poly-L-lysine Methacryloyl

BIOLOGICAL ACTIVITY

Description

Poly-L-lysine Methacryloyl (PLMA) is methacrylated polylysine. When Poly-L-lysine Methacryloyl is cross-linked on polyetheretherketone (PEEK) through UV-induced cross-linking, it can improve the hydrophilicity of PEEK and retain its own degradation bioinertness^[1]. Poly-L-lysine 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]. Chen Y, Chen Y, Han T, et al. Enhanced osteogenic and antibacterial properties of polyetheretherketone by ultraviolet-initiated grafting polymerization of a gelatin methacryloyl/epsilon-poly-L-lysine/laponite hydrogel coating[J]. Journal of Biomedical Materials Research Part A, 2023, 111(11): 1808-1821.

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

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