

## Alginate Methacryloyl (MW 50000)

### Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

### Biological Description

Description	Alginate Methacryloyl (MW 50000) is a methacryloyl-modified alginate that shows promise for use as a scaffold in tissue engineering and as a 3D printing ink. It is characterized by its biocompatibility, non-immunogenicity, and low toxicity, and can physically cross-link with divalent cations (e.g., calcium). With the aid of a photoinitiator LAP, it assembles into fibrous hydrogels targeting bioactive adhesion sites, supporting tissue cells inherently and exhibiting biodegradability. Applications include cell culture, bio 3D printing, and tissue engineering.
Targets(IC50)	Others

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