

## Carboxymethyl chitosan Methacryloyl

Cat. No.:	HY-158223	
Target:	Biochemical Assay Reagents	
Pathway:	Others	
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.	Carboxymethyl chitosan Methacryloyl

### BIOLOGICAL ACTIVITY

#### Description

Carboxymethyl chitosan Methacryloyl (CMCSMA) is methacrylated carboxymethyl chitosan with properties as a 3D printing ink. A composite hydrogel made of Carboxymethyl chitosan Methacryloyl can effectively accelerate bone healing in an infectious microenvironment after implantation in a rat model of Staphylococcus aureus-infected femoral defect<sup>[1]</sup>.

### REFERENCES

[1]. Qin B, Dong H, Tang X, et al. Antisense yycF and BMP-2 co-delivery gelatin methacryloyl and carboxymethyl chitosan hydrogel composite for infective bone defects regeneration[J]. International Journal of Biological Macromolecules, 2023, 253: 127233.

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

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