

Product Information

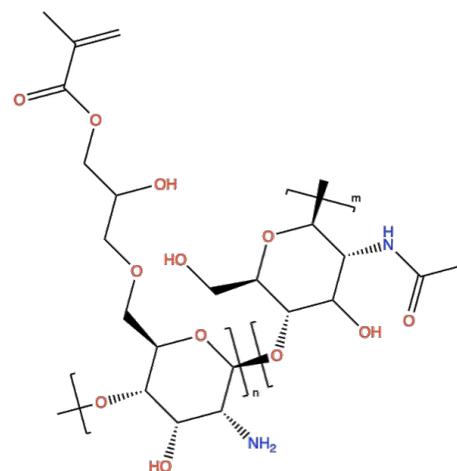
Chitosan glycidyl methacrylate

Cat. No.: X23-09-YW034

Size: 1 g; 2 g

Synonym: Chitosan acrylate; Chitosan methacrylate; Methacrylate grafted chitosan; Methyl methacrylate modified chitosan

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Chitosan glycidyl methacrylate is a chitosan derivative with methacrylate groups. And it can be used as a versatile biomaterial, employed in tissue engineering, drug delivery, and wound healing due to its biocompatibility and polymerization capabilities.
Molecular Formula	$(C_{13}H_{21}NO_7)_n (C_8H_{13}NO_5)_m$
SMILES string	<chem>CO[C@H]1[C@@H](O)[C@@H](N)[C@H](O[C@H]2[C@@H](O)[C@@H](NC(C)=O)[C@H](C)O[C@@H]2CO)O[C@@H]1COCC(O)COC(C(C)=C)=O</chem>
Form	Powder
Purity	Reported
Applications	Methacrylate functionalized chitosan is thermo/photo cross-linkable and can be used as a precursor for hydrogel synthesis in a variety of biomedical applications such as tissue engineering, 3D bioprinting, and drug and gene delivery. Because chitosan-based materials have mucoadhesive characteristics, they are commonly be used in transmucosal medicines delivery.
Storage	Store at 4°C.