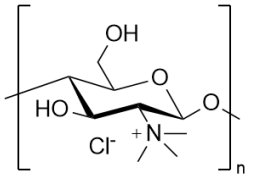
Trimethyl chitosan

Cat. No.: **SN-M-LM764**

Chemical Properties

Product Name	Trimethyl chitosan
Cat. No.	SN-M-LM764
CAS No.	52349-26-5
Appearance	Solid
Storage	Keep away from direct sunlight
Shipping	Shipping with blue ice/Shipping at ambient temperature.
Solubility	H2O: 26.66 mg/mL, Sonication is recommended.
Purity	98+%

Structure



Biological Description

Trimethyl chitosan is a cationic polymer derived from chemically modified natural chitosan; its water solubility and biocompatibility are enhanced through trimethylation of the amino groups. Trimethyl chitosan targets absorption-enhancing proteins in the tight junctions of intestinal and mucosal epithelial cells, thereby improving drug absorption and stability on mucosal surfaces. Trimethyl chitosan can stimulate the activity that promotes the transmembrane transport of hydrophilic drugs and can be used for drug delivery and the synthesis of nanoparticles.

Related Products / Keywords

- Trimethyl chitosan

This product is a research reagent and must not be used for clinical validation or human therapeutic use.