



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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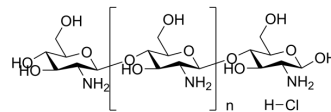
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## Chitosan hydrochloride (80%-90% deacetylated)

|                  |   |
|------------------|---|
| <b>Cat. No.:</b> | HY-B2144H   |
| <b>CAS No.:</b>  | 70694-72-3  |
| <b>Target:</b>   | Bacterial; Fungal   |
| <b>Pathway:</b>  | Anti-infection  |
| <b>Storage:</b>  | Please store the product under the recommended conditions in the Certificate of Analysis. |



### SOLVENT & SOLUBILITY

|                 |   |
|-----------------|---|
| <b>In Vitro</b> | H <sub>2</sub> O : 50 mg/mL (Need ultrasonic) |
|-----------------|---|

### BIOLOGICAL ACTIVITY

**Description** Chitosan hydrochloride 80%-90% deacetylated (Chitosan HCl 80%-90% deacetylated) is the deacetylated, hydrochloride form of chitosan. Chitosan hydrochloride 80%-90% deacetylated is a polysaccharide obtained by deacetylating chitin, and exhibits antimicrobial activity against various bacteria and fungi. Chitosan hydrochloride 80%-90% deacetylated is utilized in agriculture, water treatment and pharmaceutical aspects<sup>[1]</sup>.

**In Vitro** Chitosan hydrochloride 80%-90% deacetylated inhibits growth of bacteria and fungi, through binding to the negatively charged bacterial, and disrupting the cell membrane permeability<sup>[1]</sup>.  
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Fei Liu X, et al., Antibacterial action of chitosan and carboxymethylated chitosan[J]. Journal of applied polymer science, 2001, 79(7): 1324-1335.

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

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