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Established in 2005, Topscience is specialized in R&D, production, sales of biochemical APIs and cosmetic ingredients. As a state-level hi-tech company, it's located in Lanshan Food and Drug Industry Park, Rizhao of PRC and covers an area of 100,000m<sup>2</sup>.

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## PRODUCT

Products include Chondroitin Sulfate, Sodium Hyaluronate, Alpha-Arbutin, Ascorbyl Glucoside, Sulglycotide and so on. We have obtained the Drug Manufacturing License for many formulations and drugs and production lines for APIs, solid preparations, small volume injections and freeze-dried powder injections in compliance with FDA and European standards. The Accreditation Certificate for Foreign Drug Manufacturer in 2009, Halal for Sodium Hyaluronate and Alpha-Arbutin in 2015, Written Confirmation for Active Substance Exported to EU issued by CFDA for Sodium Hyaluronate in 2014, CEP/COS for Sodium Hyaluronate in 2015 and 2016, and GMP Certificate for Sodium Hyaluronate in 2019 have been acquired.

Topscience has been pursuing the high start in the construction of hardware, software and talents to catch up with the international standards. We have set up the complete quality system in compliance with ICH and GMP, equipped with analytical instruments and professional technicians. The quality could be guaranteed by the effective management from starting materials to product release. Meanwhile, we have passed the on-site inspection by CFDA and other international famous enterprises and then established the close relationship with them. ISO9001:2008, ISO14001:2004 and OHSAS18001:2007 have also been certified.

## INTERNATIONAL







## TEAM

Composed of a strong technical team, Topscience is devoted to R&D and innovation. We have 6 Provincial Technical Engineering Centers, more than 30 invention patents, 3 projects of result evaluation at international advanced level and one amendment to the standards of national pharmacopoeia. We're now paying equal attention to APIs and drugs and completing the R&D and registration of some drugs.

Topscience is devoted to quality and safety. It is just because of the reputation and persistence, our products including Sodium Hyaluronate, Chondroitin Sulfate and so on have been welcomed by customers both home and abroad. And we have been the trusted supplier of raw materials for many well-known cosmetic and pharmaceutical companies worldwide.

Topscience has been pursuing the excellent quality and competitive price. Our aim is to be your most favorable and stable partner.

## QUALITY





## PORTFOLIO

### Sodium Hyaluronate |

**【Chemical composition】** It is a glycosaminoglycan and long-chain polymer of disaccharide units of Na-glucuronate-N-acetylglucosamine and the sodium salt of hyaluronic acid.

**【Character】** White powder with good hygroscopicity

**【CAS#】** 9067-32-7

**【Origin】** Fermentation

**【Specifications】** Food Grade, Cosmetic Grade, Eye-drop Grade, Injection Grade and 1% solution



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### Sulglycotide |

**【Name】** Sulglycotide

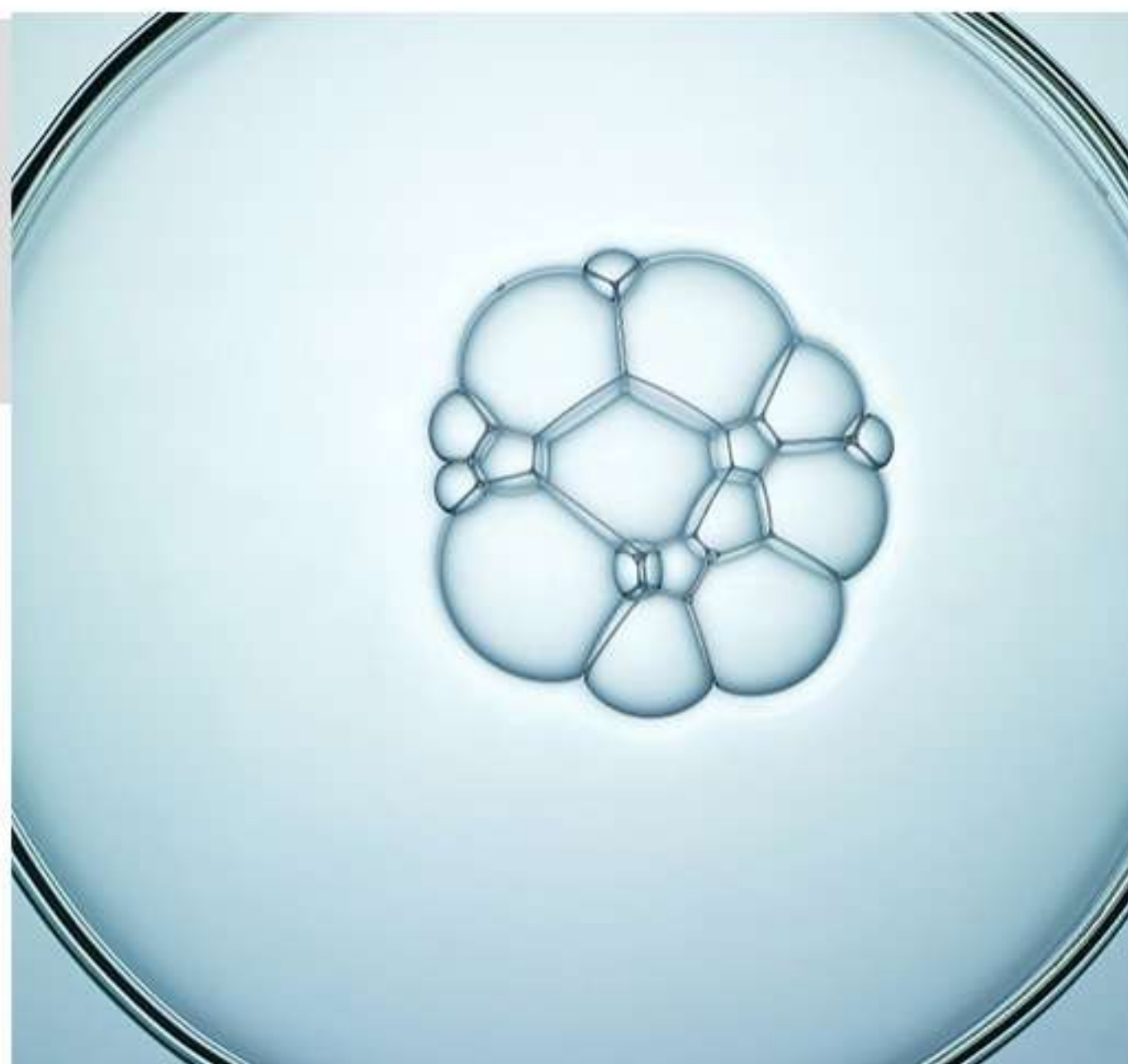
**【Synonym】** Gliptide 200, Sulglycotide

**【Chemical Composition】** It's a kind of semisynthetic glycopeptide polysulfate and its molecular weight is normally 99,540 dalton.

**【CAS#】** 54182-59-1

**【Properties】** Light brown amorphous powder with characteristic smell and slight hygroscopicity, easily soluble in water and not soluble in organic solvents.

**【Effects】** glycopeptides extracted from pig duodenum. It has many bioactivities of mucopolysaccharides such as anti-tumor, anti-virus, anti-atherosclerosis, reducing blood lipids and so on.



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## Sodium Chondroitin Sulfate |

**【Chemical composition】** Chondroitin sulfate is a sulfated glycosaminoglycan (GAG) composed of a chain of alternating sugars (N-acetylgalactosamine and glucuronic acid). Its molecular weight is normally from 20,000 – 50,000 daltons.

**【CAS#】** 9082-07-9

**【Properties】** white powder with high water absorptivity, easily soluble in water for viscous solution and not soluble in some organic solvents such as ethanol, diethyl ether, acetone and so on.



**TOPSCIENCE 众山**