

Product Information

BSA agent, Chondroitin sulfate-bovine serum albumin, Purity $\geq 95\%$

Cat. No.: X25-05-YM011

Size: 100 mg; 250 mg; 500 mg; 1 g; 5 g

Synonym: Bovine serum albumin-chondroitin sulfate; BSA-chondroitin sulfate; Chondroitin sulfate-BSA

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

Product Information

Description	BSA-chondroitin sulfate nanoconstructs are fabricated through EDC/NHS-mediated amidation, effectively conjugating the serum albumin's carrier capacity with chondroitin's cartilage-targeting potential.
Glycan Name	Chondroitin sulfate
Glycan Structure	The glycan structure of chondroitin sulfate (CS) is a sulfated glycosaminoglycan (GAG) composed of repeating disaccharide units. Each unit consists of: N-acetyl-D-galactosamine (GalNAc) ($\beta 1 \rightarrow 4$ linked) D-glucuronic acid (GlcA) ($\beta 1 \rightarrow 13$ linked)
Source	Chemical synthesis
Functional Group	BSA
Form	Solid or powder
Purity	$\geq 95\%$
Impurities	No visible impurities to the naked eye.
Solubility	This product is soluble in most organic solvents, such as DCM, DMF, DMSO, and THF, and exhibits excellent solubility in water.
Identity	Confirmed by NMR.
Stability	It is stable under its storage temperature.
Quality Level	Research level
Applications	Chondroitin sulfate-bovine serum albumin can be used for its potential to develop albumin-conjugated complexes for extended plasma circulation times.
Storage	Store at -20°C , protect from light and moisture.