CD BioGlyco
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

CD agent, Chondroitin sulfate-PEG-cyclodextrin, Purity ≥95%

Cat. No.: X25-05-YM228

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

Synonym: Cyclodextrin-PEG-chondroitin sulfate; CD-PEG-chondroitin sulfate; Chondroitin sulfate-PEG-CD

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

Product Information

Description	CD-conjugated PEG-chondroitin sulfate (CD-PEG-CS) anchors cyclodextrin cavities *via* PEG-thiol linkages, enabling host-guest complexation of hydrophobic drug molecules.
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) (β1→4 linked) D-glucuronic acid (GlcA) (β1→3 linked)
Source	Chemical synthesis
Functional Group	CD
Form	Solid or powder
Purity	≥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-PEG-cyclodextrin can be used for its potential to study molecular encapsulation efficiency using macrocyclic host molecules.
Storage	Store at -20°C, protect from light and moisture.