

Product Information

Octreotide agent, Xylan-octreotide, Purity $\geq 95\%$

Cat. No.: X25-05-YM828

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

Synonym: Xylan-octreotide; Octreotide-xylan

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

Product Information

Description	Octreotide-xylan conjugation establishes a peptide-polysaccharide system combining somatostatin analog properties with xylan's β -1,4-linked xylose matrix from plant biomass. The carbohydrate component contributes to improved solution behavior through hydrophilic polymer chains.
Glycan Name	Xylan
Glycan Structure	Its glycan structure is a linear backbone of β -1,4-linked D-xylose residues with side-chain substitutions including α -linked arabinofuranose, glucuronic acid/4-O-methyl-glucuronic acid, and acetyl groups at O-2 or O-3 positions.
Source	Chemical synthesis
Functional Group	Octreotide
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 grade
Applications	Xylan-octreotide can be used for its potential to develop sustained nutrient release platforms using protein-polysaccharide coacervates.
Storage	Store at -20°C , protect from light and moisture.