

Product Information

Transferrin agent, Xylan-transferrin, Purity $\geq 95\%$

Cat. No.: X25-05-YM797

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

Synonym: Xylan-transferrin; Transferrin-xylan

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

Product Information

Description	The xylan-transferrin conjugate represents a cutting-edge molecular integration where transferrin's biological functionalities synergize with the structural framework provided by xylan-a β -1,4-linked xylose polymer sourced from plant hemicellulose. This composite architecture utilizes xylan's inherent biocompatibility and degradable nature to improve solution stability.
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	Transferrin
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-transferrin can be used for its potential to enable receptor-mediated blood-brain barrier transport studies through iron-binding protein conjugation.
Storage	Store at -20°C , protect from light and moisture.