

Product Information

Estrogen agent, Xylan-estrogen, Purity $\geq 95\%$

Cat. No.: X25-05-YM800

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

Synonym: Xylan-estrogen; Estrogen-xylan

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

Product Information

Description	The estrogen-xylan hybrid material embodies a novel approach to molecular conjugation, where the steroid hormone's activity is supported by xylan's β -1,4-xylose polymer network derived from botanical sources. This configuration capitalizes on the polysaccharide's sustainable degradation profile and hydration-enhancing characteristics.
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	Estrogen
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-estrogen can be used for its potential to investigate steroid receptor trafficking in hormone-responsive cancer cell models.
Storage	Store at -20°C , protect from light and moisture.