

Product Information

Pemetrexed agent, Xylan-pemetrexed, Purity $\geq 95\%$

Cat. No.: X25-05-YM805

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

Synonym: Xylan-pemetrexed; Pemetrexed-xylan

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

Product Information

Description	Xylan-pemetrexed conjugation represents a modern pharmaceutical approach, combining the antifolate drug's characteristics with xylan's β -1,4-linked xylose chains from agricultural byproducts. This combination improves solution behavior through the polysaccharide's hydration capacity.
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	Pemetrexed
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-pemetrexed can be used for its potential to create modular assembly platforms using high-affinity protein-ligand bridging strategies.
Storage	Store at -20°C , protect from light and moisture.