

Product Information

TAT agent, Xylan-trans-activator of transcription peptide, Purity $\geq 95\%$

Cat. No.: X25-05-YM832

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

Synonym: Xylan-trans-activator of transcription peptide; TAT-xylan

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

Product Information

Description	TAT peptide conjugation to xylan creates a cell-penetrating hybrid system combining transduction domains with xylan's β -1,4-linked xylose matrix from plant biomass. The carbohydrate component improves solution stability through hydrophilic polymer 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	TAT
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-trans-activator of transcription peptide can be used for its potential to target hepatic tissue using liver-specific peptide-guided delivery systems.
Storage	Store at -20°C , protect from light and moisture.