

Product Information

Raltitrexed agent, Lentinan-PEG-raltitrexed, Purity $\geq 95\%$

Cat. No.: X25-05-YM698

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

Synonym: Lentinan-PEG-raltitrexed; Raltitrexed-PEG-Lentinan

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

Product Information

Description	Lentinan-PEG-raltitrexed, called raltitrexed-lentinan, develops a thymidylate synthase inhibitor conjugate through polyethylene glycol spacers linking antimetabolites to lentinan's polysaccharide framework. This chemotherapeutic hybrid maintains helical conformation while enhancing drug solubility for improved delivery.
Glycan Structure	Its glycan structure is a β -(1 \rightarrow 3)-linked d-glucose backbone with β -(1 \rightarrow 6)-glucosyl side branches.
Source	Chemical synthesis
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	Lentinan-PEG-raltitrexed can be used for its potential to create poly(4-vinylpyridine)-PEG hybrids for heavy metal adsorption in environmental cleanup studies.
Storage	Store at -20°C , protect from light and moisture.