

NPC 567 acetate

Chemical Properties

CAS No. :

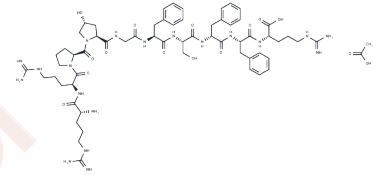
Formula: C62H91N19O15

Molecular Weight: 1342.5

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	NPC 567 acetate is a bradykinin B2 antagonist and can be used in studies about the treatment of allergic airway disease.
Targets(IC50)	Bradykinin Receptor
In vivo	In the NPC 567 acetate (2.5 mg) -treated pigs, the resistance only increased from 2.9 cm H2O/l/s to 6.5 cm H2O/l/s. There was also a higher reduction in dynamic lung compliance in the controls than in the treated animals upon allergen challenge. The histamine concentration in urine in the control pigs was markedly elevated after allergen challenge peaking at 15-30 min. This release was inhibited in the NPC 567 acetate-treated pigs[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7449 mL	3.7244 mL	7.4488 mL
5 mM	0.149 mL	0.7449 mL	1.4898 mL
10 mM	0.0745 mL	0.3724 mL	0.7449 mL
50 mM	0.0149 mL	0.0745 mL	0.149 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Sylvin H, et al. The effect of a bradykinin B2 receptor antagonist, NPC-567, on allergen-induced airway responses in a porcine model. *Inflamm Res*. 2001 Sep;50(9):453-9.

Abraham WM. The potential role of bradykinin antagonists in the treatment of asthma. *Agents Actions Suppl*. 1992;38 (Pt 3):439-49.

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