

NF546 hydrate

Chemical Properties

CAS No. :

Formula: C47H44N6Na4O17P4.13.5H2O

Molecular Weight: 1424.01

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	NF546 (hydrate), a selective non-nucleotide P2Y11 agonist, exhibits a pEC50 value of 6.27 and induces interleukin-8 secretion from human monocyte-derived dendritic cells [1].
Targets(IC50)	P2Y Receptor
In vitro	NF546 (hydrate) exhibits relative selectivity for the P2Y11 subtype compared to P2Y1, P2Y2, P2Y4, P2Y6, P2Y12, P2X1, P2X2, and P2X2-X3 receptors. At a concentration of 100 μ M and after 24 hours of treatment, NF546 (hydrate) demonstrates equivalent efficacy in promoting the secretion of TSP-1 and suppressing LPS-evoked IL-12p70 release in human monocyte-derived dendritic cells [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7022 mL	3.5112 mL	7.0224 mL
5 mM	0.1404 mL	0.7022 mL	1.4045 mL
10 mM	0.0702 mL	0.3511 mL	0.7022 mL
50 mM	0.014 mL	0.0702 mL	0.1404 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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