

Cendakimab

Chemical Properties

CAS No. : 2151032-62-9

Formula:

Molecular Weight: 146.44 kDa

Storage: Store at low temperature
-20°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Cendakimab (RPC4046) is a humanized monoclonal antibody targeting IL-13. It selectively targets the IL-13 receptor (IL13R- α 1 and IL13R- α 2), used in research on atopic dermatitis.
Targets(IC50)	Interleukin
In vitro	Cendakimab is an IgG1k humanized monoclonal antibody that recognizes IL-13 and inhibits its binding to IL-13 receptor-specific subtypes (IL-13-R α 1 and IL-13-R α 2) with an IC50 of 352 pM and 631 pM, respectively, as determined by ELISA. [2] cendakimab inhibited glycosylated and non-glycosylated IL-13-induced STAT6 activity in a dose-dependent manner with IC50 of 37pM and 17pM, respectively. [1]
In vivo	In a mouse model of asthma, Cendakimab dose-dependent inhibited AHR (maximum inhibition 70.5%) and IL-13-dependent gene expression, and maximal inhibition of Muc5ac and AMCase activity was 70.7% and 54.2%, respectively. [2]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0068 mL	0.0341 mL	0.0683 mL
5 mM	0.0014 mL	0.0068 mL	0.0137 mL
10 mM	0.0007 mL	0.0034 mL	0.0068 mL
50 mM	0.0001 mL	0.0007 mL	0.0014 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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