

Gevokizumab

Chemical Properties

CAS No. : 1129435-60-4

Formula:

Molecular Weight: 144.93 kDa

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

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Gevokizumab (S-78989) is a humanised monoclonal antibody targeting IL-1 β , which blocks IL-1 β signalling through allosteric regulation, and can be used for diabetes, cancer, inflammation, and cardiovascular diseases.
Targets(IC50)	IL Receptor, Interleukin
In vitro	Methods: HeLa cells were treated with 5 nM Gevokizumab for 16 hours to evaluate its inhibitory effect on IL-1 β -mediated NF- κ B activation; additionally, the effect of Gevokizumab at concentrations ranging from 1.85 to 50 nM on the binding affinity between sIL-1RI and IL-1 β was assessed. Results: Gevokizumab inhibited IL-1 β -induced NF- κ B activation and acted as a selective negative allosteric modulator to reduce the binding affinity of sIL-1RI to IL-1 β . [1]
In vivo	Methods: In a rat carotid denudation model using 3-month-old Sprague-Dawley rats weighing 330-360 g, Gevokizumab was administered intravenously at doses of 1, 10, and 50 mg/kg once daily for 3 consecutive days. Results: At day 28, Gevokizumab treatment significantly decreased carotid intima-media thickness (IMT) in the proximal part of the denuded artery, with the 1 mg/kg dose group showing improved endothelial regrowth.[2]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0069 mL	0.0345 mL	0.069 mL
5 mM	0.0014 mL	0.0069 mL	0.0138 mL
10 mM	0.0007 mL	0.0034 mL	0.0069 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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