

Tozorakimab

Chemical Properties

CAS No. : 2376858-66-9

Formula:

Molecular Weight: 144.65 kDa

Store at low temperature

Storage: -20°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Tozorakimab (MEDI-3506) is a human immunoglobulin G1 monoclonal antibody targeting IL-33. It inhibits IL-33 signaling through ST2 and RAGE/EGFR, reduces inflammation and epithelial dysfunction, and can be used to study chronic obstructive pulmonary disease.
Targets(IC50)	Others,Interleukin
In vitro	Tozorakimab had a >10,000-fold higher potency for IL-33red than the lead mAb (33v20064) in a biochemical epitope competition assay (IC50=0.082 nM). [1]
In vivo	Female humanized IL-33 mice (6-10 weeks of age) were anaesthetized using isoflurane. Prophylactic intraperitoneal administration of Tozorakimab (0.1, 1.0, 3.0 and 10.0 mg/kg) dose-dependently inhibited IL-5 levels in bronchoalveolar lavage fluid (BALF) compared with the controls. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0069 mL	0.0346 mL	0.0691 mL
5 mM	0.0014 mL	0.0069 mL	0.0138 mL
10 mM	0.0007 mL	0.0035 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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