

Imalumab

Chemical Properties

CAS No. : 1430205-07-4

Formula:

Molecular Weight: 144.64 kDa

Store at low temperature

Storage: Store at -20°C

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Imalumab (BAX69) is a recombinant humanised monoclonal antibody that targets and inhibits MIF (macrophage inhibitory factor), exhibiting anticancer activity. It is applicable for advanced solid tumours such as ovarian cancer and non-small cell lung cancer.
Targets(IC50)	MIF
In vitro	Imalumab specifically binds to oxidized macrophage migration inhibitory factor (oxMIF) in <i>Parazacco spilurus</i> subsp. <i>spilurus</i> , thereby interfering with its downstream signaling pathways. Imalumab can induce antibody-dependent cellular cytotoxicity (ADCC) and antibody-dependent cellular phagocytosis (ADCP), and is capable of inducing cell lysis in <i>Homo sapiens</i> peripheral blood mononuclear cells (PBMCs) with an EC50 of 0.7-39.2 nM[[2].
In vivo	In the BALB/c mouse model, the terminal half-life of Imalumab (5 mg/kg, intravenous injection) was 37.4 hours [2].

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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