

Bavituximab

Chemical Properties

CAS No. :	648904-28-3
Formula:	
Molecular Weight:	145.3 kDa
Storage:	Store at low temperature -20°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Bavituximab (Anti-Human Phosphatidylserine Recombinant Antibody) is a monoclonal antibody targeting phosphatidylserine (PS) with vascular targeting and immunomodulatory properties, capable of reactivating anti-tumor immunity to inhibit tumor growth. It has anti-cancer activity and is frequently used with Paclitaxel and Carboplatin in non-small cell lung cancer studies.
Targets(IC50)	Others
In vitro	Bavituximab binds to exposed phosphatidylserine (PS) molecules through the serum protein β 2-glycoprotein 1 (β 2GP1)[1], inducing antibody-dependent cellular cytotoxicity and leading to the destruction of tumor vessels[1]. Bavituximab (10 μ g/mL; 48 h) binds to PS induced by 10 μ M Sorafenib in HUVEC and bEnd.3 cells[2].
In vivo	Sorafenib induces anionic phospholipid exposure in a mouse tumor model, which is detected by Bavituximab (100 μ g/mouse; i.v.; single dose) administered 48 hours post-Sorafenib treatment[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0069 mL	0.0344 mL	0.0688 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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