

Olaratumab

Chemical Properties

CAS No. : 1024603-93-7

Formula:

Molecular Weight: 147.12 kDa

Store at low temperature

Storage: -20°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Olaratumab(IMC-3G3) is a human monoclonal IgG1 antibody against platelet-derived growth factor receptor alpha (PDGFR α), which has antitumor effects and can be used to study advanced soft tissue sarcomas.
Targets(IC50)	PDGFR
In vitro	In SKOV3-ip1 cells, IMC-3G3 (Olaratumab) at a concentration of 100 μ g/mL for 72 hours blocked the phosphorylation of PDGFR α . Furthermore, the combination of IMC-3G3 with docetaxel notably induced apoptosis in SKOV3-ip1 and HeyA8 cell lines [1].
In vivo	IMC-3G3 (Olaratumab) (i.p., 40 mg / kg, three times per week, 6 weeks) In SKOV3-ip1 tumor-bearing mice, IMC-3G3 alone had no significant anti-tumor effect compared with the control group. In HeyA8 tumor-bearing mice, IMC-3G3 monotherapy showed a significant anti-tumor effect compared with the control group, with a tumor reduction rate of 62 % [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0068 mL	0.034 mL	0.068 mL
5 mM	0.0014 mL	0.0068 mL	0.0136 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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