

Zalutumumab

Chemical Properties

CAS No. :	667901-13-5
Formula:	
Molecular Weight:	146.63 kDa
Storage:	Store at low temperature
	-20°C for 1 year
	Actual storage temperature shall be subject to the COA.

Biological Description

Description	Zalutumumab is a high-affinity fully human monoclonal antibody that targets the extracellular domain of the epidermal growth factor receptor (EGFR) and is used to treat squamous cell carcinoma of the head and neck (SCCHN).
Targets(IC50)	EGFR
In vitro	Methods: A431 cell line was treated with zalutumumab (0-1 μ M, 96 hours) and cell viability was measured. Results: Zalutumumab inhibited A431 cell proliferation with an IC50 value of 1.5 nM. [1]
In vivo	Zalutumumab (5 mg/kg, intraperitoneal injection 2 hours after tumor induction) can affect tumor growth in A431 xenograft model mice.[1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0068 mL	0.0341 mL	0.0682 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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