

Cixutumumab

Chemical Properties

CAS No. :	947687-12-9
Formula:	
Molecular Weight:	146.32 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	Cixutumumab (IMC-A12) is a humanized IgG monoclonal antibody targeting the insulin-like growth factor 1 receptor (IGF1R). It has anticancer activity, inhibits ligand-dependent receptor activation and downstream signaling, and can be used in the study of non-small cell lung and prostate cancer.
Targets(IC50)	IGF-1R
In vitro	Cixutumumab showed significant growth inhibition of at least 50% in CHLA-9, TC-71 and Rh41 cell lines after 96 hours of treatment at concentrations ranging from 0.01 to 100 nM. [1]
In vivo	In an in vivo model of the Pediatric Preclinical Testing Program (PPTP), Cixutumumab, given to rats by intraperitoneal injection at a dose of 1 mg twice weekly for six weeks, showed potent antitumor effects and significantly inhibited the progression of solid tumors. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0068 mL	0.0342 mL	0.0683 mL
5 mM	0.0014 mL	0.0068 mL	0.0137 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481