

Golimumab

Chemical Properties

CAS No. : 476181-74-5

Formula:

Molecular Weight: 146.93 kDa

Storage: Store at low temperature
-20°C for 1 year

Actual storage temperature shall be subject to the COA.

Golimumab

Biological Description

Description	Golimumab (CNTO-148) is a potent humanized anti-TNF α IgG1 κ monoclonal antibody with anti-inflammatory and anticancer activity. It inhibits the production of IL-6 and IL-1 β , induces apoptosis, and can be used to prevent inflammation and destruction of cartilage or bone. This makes Golimumab valuable for studying rheumatoid arthritis and cancer.
Targets(IC50)	Apoptosis,Caspase,Interleukin,TNF
In vitro	Inducing reductions in the viability of transmembrane TNF α -expressing cells, Golimumab (CNTO-148) (0.1-10 μ g/mL; 24-72 hours; transmembrane TNF α -transfected Jurkat cells) [1].Inducing apoptosis, increasing the levels of active caspase-3, and inducing apoptotic DNA fragmentation, Golimumab (CNTO-148) (10 μ g/mL; 48 hours; transmembrane TNF α -transfected Jurkat cells) [1].
In vivo	Golimumab (CNTO-148), administered intraperitoneally at doses of 1-10 mg/kg daily for 4 weeks in the Tg197 transgenic mouse model, relieves TNF α -induced arthritis in a mouse model of humans [3].Golimumab (CNTO-148), administered intravenously at a dose of 24 mg/kg daily for 7 days in Swiss-albino healthy male mice, inhibits oxidative stress, apoptotic cell death, and inflammatory response, thereby improving renal function. Golimumab reduces all markers of kidney injury and attenuates cell death [3].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0068 mL	0.034 mL	0.0681 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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