

Natalizumab

Chemical Properties

CAS No. : 189261-10-7

Formula:

Molecular Weight: 146.19 kDa

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

Actual storage temperature shall be subject to the COA.

Natalizumab

Biological Description

Description	Natalizumab used for the treatment of relapsing remitting multiple sclerosis and Crohn's disease.
Targets(IC50)	Integrin
In vitro	Natalizumab, a new disease-modifying therapy for relapsing remitting multiple sclerosis (RRMS), is a humanized monoclonal antibody which binds to alpha(4)beta(1)-integrin. As a result, leukocyte migration into brain tissue is inhibited, reducing inflammation and preventing the formation of lesions. Natalizumab may also inhibit ongoing central nervous system (CNS) inflammation, mediated by leukocytes already present in the CNS, by interrupting the interactions between α 4-integrin-expressing leukocytes and extracellular matrix proteins such as fibronectin and osteopontin[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0068 mL	0.0342 mL	0.0684 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

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