

Elotuzumab

Chemical Properties

CAS No. : 915296-00-3

Formula:

Molecular Weight: 145.4 kDa

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

Actual storage temperature shall be subject to the COA.

Elotuzumab
(anti-SLAMF7)

Biological Description

Description	Elotuzumab(HuLuc 63) is a monoclonal antibody that targets the SLAMF7 receptor. Elotuzumab is a compound that directly activates NK cells and induces antibody-dependent cytotoxicity, and can be used in combination with lenalidomide and dexamethasone (Ld) to treat multiple myeloma.
Targets(IC50)	Others
In vivo	Elotuzumab (anti-SLAMF7) was given at 10 mg/kg weekly for the first two treatment cycles (28 days/cycle), followed by 10 mg/kg every other week for all subsequent cycles. Four different Elotuzumab (anti-SLAMF7) combination therapies were administered: 1) Elotuzumab (anti-SLAMF7) and dexamethasone 2) Elotuzumab (anti-SLAMF7), lenalidomide and dexamethasone 3) Elotuzumab (anti-SLAMF7), pomalidomide and dexamethasone and 4) Elotuzumab (anti-SLAMF7), carfilzomib, pomalidomide, and dexamethasone. We found that regardless of Elotuzumab (anti-SLAMF7) combination therapy, all patients treated showed decreased phosphorus levels after initiating Elotuzumab (anti-SLAMF7) treatment with reductions ranging from 12.5% to 44.1% below baseline. Six participants (67%) demonstrated average serum phosphorus at or below 2.5 mg/dL after starting Elotuzumab (anti-SLAMF7) therapy.[2]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0069 mL	0.0344 mL	0.0688 mL
5 mM	0.0014 mL	0.0069 mL	0.0138 mL
10 mM	0.0007 mL	0.0034 mL	0.0069 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481