

Farletuzumab

Chemical Properties

CAS No. :	896723-44-7
Formula:	
Molecular Weight:	145.36 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	Farletuzumab (MORAb-003) is a humanized monoclonal antibody with a high affinity for folate receptor- α (FR α), acting as a potent inhibitor of FR α and impeding the growth of cells that overexpress this receptor, making it useful for cancer research.
Targets(IC50)	Antifolate, Antibiotic
In vitro	In CHO-FR cells, Farletuzumab (MORAb-003; 0-10 μ g/mL) inhibits FR α -dependent cell growth and increases folate EC50 in a dose-dependent manner[1]. In IGROV-1 cells (0.1-100 μ g/mL; 1 h), Farletuzumab mediates tumor cytotoxicity in vitro through complement-dependent cytotoxicity (CDC) and antibody-dependent cell-mediated cytotoxicity (ADCC)[1]. In CHO-FR cells (0-10 μ g/mL), Farletuzumab inhibits the phosphorylation of proteins by Lyn kinase, a member of the src family of kinases, thereby blocking an FR α -mediated signaling pathway[1].

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