

## Leronlimab

## Chemical Properties

CAS No. :	674782-26-4
Formula:	
Molecular Weight:	146.66 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	Leronlimab (PRO 140) is a humanized IgG4 anti-CCR5 monoclonal antibody with both anti-HIV and anti-tumor activity, inhibiting CCR-mediated HIV-1 virus and cancer cell metastasis in mouse tumor models. Leronlimab can be used to study HIV, non-alcoholic steatohepatitis (NASH), and breast cancer.
Targets(IC50)	HIV Protease,CCR
In vitro	Leronlimab (1-140 mg/mL) binds to CCR5-positive cells up to 98% and (80-1750 µg/mL) inhibits calcium response induced by CCL5, CCL3, and CCL4 in MDA-MB-231 cells. Additionally, Leronlimab (175 and 350 mg/mL) blocks the invasion of MDA-MB-231 cells and (10 µg/mL; 72 hours) enhances the cytotoxicity of doxorubicin against these cells[1].
In vivo	Leronlimab (2 mg; intraperitoneal injection; twice a week) reduces lung metastasis in a mouse xenograft model[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0068 mL	0.0341 mL	0.0682 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.

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