

Vixarelimab

Chemical Properties

CAS No. : 2243320-83-2

Formula:

Molecular Weight: 144.99 kDa

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

Actual storage temperature shall be subject to the COA.

Vixarelimab

Biological Description

Description	Vixarelimab (KPL-716) is a human anti-oncostatin M (OSM) monoclonal antibody with affinity for the beta chain of the OSM receptor, inhibiting IL-31 and OSM signaling. It can be used to study severe nodular itch and idiopathic pulmonary fibrosis.
Targets(IC50)	Interleukin
In vitro	At a concentration of 0.0001 µg/mL, Vixarelimab (KPL-716) induces an increase in MCP-1/CCL2 levels in human epidermal keratinocytes (HEK) and human dermal fibroblasts (HDF). However, at concentrations of 0.001 µg/mL or higher, there is a significant decrease in MCP-1/CCL2 levels in both cell types[1]. Pre-treatment with Vixarelimab (KPL-716) (0.0001-0.1 µg/mL) reduces MCP-1/CCL2 levels in both HEK and HDF cells induced by Oncostatin M (OSM) and OSM + IL-4. The maximum effect is observed at concentrations of 0.01 µg/mL and 0.1 µg/mL[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0069 mL	0.0345 mL	0.069 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