

Iluzanebart

Chemical Properties

CAS No. : 2733621-19-5

Formula:

Molecular Weight: 144.90 kDa

Store at low temperature

Storage: Store at -20°C

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Iluzanebart, a human monoclonal IgG1 antibody, functions as an agonist antibody for human TREM2 (hTREM2), thereby enhancing the survival and overall function of microglia through the activation of the TREM2 signaling pathway. Iluzanebart provides compensation for the loss of CSF1R function, and it can be employed as a research agent for adult-onset leukoencephalopathy associated with CSF1R (colony stimulating factor 1 receptor) (CSF1R-ALSP), thereby providing opportunities to model microglial dysfunction in neurodegenerative disorders.
Targets(IC50)	Others,Serine/threonin kinase
In vitro	Methods: hMDM and iMGL cells were treated with Iluzanebart (10 µg/mL, 48-96 h), and cell viability was measured using CellTiter Glo. Results: Iluzanebart significantly protected cells from PLX5622-induced decline in cell viability. [1]
In vivo	Methods: Iluzanebart (1-200 mg/kg, single dose) was administered intraperitoneally to hTREM2-CV mice. The effects of Iluzanebart on microglial gene expression and proliferation were evaluated through RNA sequencing and cellular analysis. Results: Iluzanebart increased microglial proliferation and CSF1R surface levels in the mouse brain, with significant elevation in specific chemokine levels (such as IP10 and MIP1α). [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	0.0035 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