

## Ivuxolimab

## Chemical Properties

CAS No. :	2128729-41-7
Formula:	
Molecular Weight:	144.18 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	Ivuxolimab is a fully human immunoglobulin G2 (IgG2) monoclonal antibody functioning as an agonist that targets the OX40 receptor (CD134), which selectively binds to the OX40 receptor expressed on the surface of activated CD4+ and CD8+ T cells without inducing antibody-dependent cellular cytotoxicity. Ivuxolimab can promote T cell proliferation, enhance cell survival, stimulate cytokine secretion (such as IFN- $\gamma$ and IL-2), inhibit the suppressive function of regulatory T cells (Tregs), and potentiate anti-tumor immune responses, enabling its use in the study of cancers including melanoma, hepatocellular carcinoma, and head and neck squamous cell carcinoma.
Targets(IC50)	Interleukin, TNF
In vivo	<b>Methods:</b> Ivuxolimab (10 mg/kg, intravenous injection, twice a week for 3 weeks) was used to treat mice bearing a CT26 tumor model, and its effect on tumors in mice was observed. <b>Results:</b> Ivuxolimab significantly inhibited tumor growth in the CT26 tumor model without causing significant weight loss. [1]

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0069 mL	0.0347 mL	0.0694 mL
5 mM	0.0014 mL	0.0069 mL	0.0139 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.

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