

## Vopratelimab

## Chemical Properties

CAS No. :	2039148-04-2
Formula:	
Molecular Weight:	145.74 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	Vopratelimab (JTX-2011) is a selective humanized immunoglobulin G1-kappa monoclonal antibody and a potent ICOS agonist with high affinity for inducible T cell co-stimulating factors (ICOS), showing affinities of 0.93 nM for hICOS, 3.7 nM for rat ICOS, and 0.64 nM for mICOS. It exhibits anti-tumor immune effects and can improve metastatic non-small cell lung cancer.
Targets(IC50)	Immunology/Inflammation related
In vitro	Vopratelimab (JTX-2011; 0.001-10 µg/mL; 3 days; CD4 T cells) activates primary human T cells, inducing the secretion of IFNγ, IL-17a, IL-10, IL-9, GM-CSF, TNFα, and IL-21[1].
In vivo	Vopratelimab (JTX-2011; 0.25-0.3 mg/kg; i.p.; twice weekly for 2 weeks) induces tumor regression in the Sa1/N syngeneic mouse tumor model[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0069 mL	0.0343 mL	0.0686 mL
5 mM	0.0014 mL	0.0069 mL	0.0137 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.

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