

## Olinvacimab

## Chemical Properties

CAS No. : 2095504-49-5  
 Formula:  
 Molecular Weight: 148.16 kDa  
 Storage: Store at low temperature  
 -20°C for 1 year  
 Actual storage temperature shall be subject to the COA.

## Biological Description

Description	Olinvacimab (TTAC-0001) is a human monoclonal antibody targeting VEGFR-2/KDR with anti-angiogenic activity that blocks tumor angiogenesis and may be used to study solid tumors.
Targets(IC50)	VEGFR
In vitro	<p>Olinvacimab binds VEGF and blocks its binding to the receptor KDR with a Kd value of 0.23 nM.[1]</p> <p>Olinvacimab inhibits the binding of VEGF-165, VEGF-C, and VEGF-D to VEGFR-2 with IC50 values of 8.7 nM, 6.3 nM, and 7.0 nM, respectively.[1]</p> <p>Olinvacimab (0.5-30 µg/mL; 30 min) reduced the phosphorylation levels of VEGFR-2/KDR and ERK.[1] Olinvacimab was shown to reduce VEGFR-2/KDR and ERK phosphorylation levels. [1]</p> <p>Olinvacimab (1, 15, 20 mg/mL; 30 min) blocks VEGF-stimulated proliferation of human umbilical vein endothelial cells. [1]</p> <p>Olinvacimab (20 mg/mL; 30 min) Reduces VEGF-induced migration of human umbilical vein endothelial cells. [1]</p> <p>Olinvacimab (5, 10, 20 µg; 20 hours) demonstrated dose-dependent inhibition of angiogenesis and disruption of tubular structure. [1]</p>
In vivo	Olinvacimab (100 ng; subcutaneous injection, single dose) Inhibits angiogenesis in vivo. [1]

### Preparing Stock Solutions

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	0.0067 mL	0.0337 mL	0.0675 mL
5 mM	0.0013 mL	0.0067 mL	0.0135 mL
10 mM	0.0007 mL	0.0034 mL	0.0067 mL
50 mM	0.0001 mL	0.0007 mL	0.0013 mL

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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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