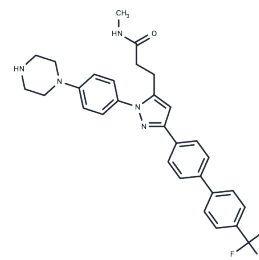


OSU-T315

## Chemical Properties

CAS No. : 2070015-22-2  
 Formula: C<sub>30</sub>H<sub>30</sub>F<sub>3</sub>N<sub>5</sub>O  
 Molecular Weight: 533.59  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

Description	OSU-T315 (OSU-T315 (1,5-regioisomer)) (1,5-regioisomer) is a ILK inhibitor.
Targets(IC50)	Apoptosis, Autophagy, Integrin

## Solubility Information

Solubility	DMSO: 45 mg/mL (84.33 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (3.75 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8741 mL	9.3705 mL	18.741 mL
5 mM	0.3748 mL	1.8741 mL	3.7482 mL
10 mM	0.1874 mL	0.937 mL	1.8741 mL
50 mM	0.0375 mL	0.1874 mL	0.3748 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.

Reference

Lee SL, et al. Identification and characterization of a novel integrin-linked kinase inhibitor. J Med Chem. 2011 Sep 22;54(18):6364-74.

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