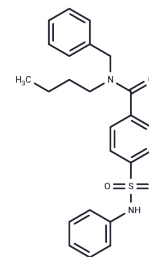


TH-257

## Chemical Properties

CAS No. : 2244678-29-1  
 Formula: C<sub>24</sub>H<sub>26</sub>N<sub>2</sub>O<sub>3</sub>S  
 Molecular Weight: 422.54  
 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	TH-257 is a Potent and selective allosteric LIMK 1/2 inhibitor(LIMK1 and LIMK2, IC <sub>50</sub> of 84 nM and 39 nM).
Targets(IC <sub>50</sub> )	LIM Kinase

## Solubility Information

Solubility	DMSO: 250 mg/mL (591.66 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: 5 mg/mL (11.83 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	2.3666 mL	11.8332 mL	23.6664 mL
5 mM	0.4733 mL	2.3666 mL	4.7333 mL
10 mM	0.2367 mL	1.1833 mL	2.3666 mL
50 mM	0.0473 mL	0.2367 mL	0.4733 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

Fabrizio M . Recent advances in the rational design and development of LIM kinase inhibitors are not enough to enter clinical trials[J]. European Journal of Medicinal Chemistry, 2018:S0223523418305075-.

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