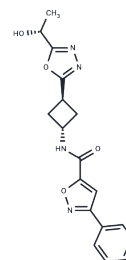


## Nesolicaftor

## Chemical Properties

CAS No. :	1953130-87-4
Formula:	C <sub>18</sub> H <sub>18</sub> N <sub>4</sub> O <sub>4</sub>
Molecular Weight:	354.36
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	Nesolicaftor (PTI-428) specifically enhances cystic fibrosis transmembrane conductance regulator protein synthesis.
Targets(IC50)	CFTR, Autophagy

## Solubility Information

Solubility	DMSO: 100 mg/mL (282.2 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: 4 mg/mL (11.29 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	2.822 mL	14.1099 mL	28.2199 mL
5 mM	0.5644 mL	2.822 mL	5.644 mL
10 mM	0.2822 mL	1.411 mL	2.822 mL
50 mM	0.0564 mL	0.2822 mL	0.5644 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

Mijnders M, et al. Correcting CFTR folding defects by small-molecule correctors to cure cystic fibrosis. Curr Opin Pharmacol. 2017 Jun;34:83-90.

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