

## Vanin-1-IN-1

## Chemical Properties

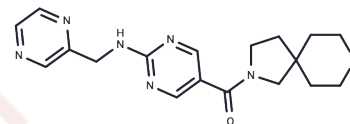
CAS No. : 2173134-00-2

Formula: C<sub>18</sub>H<sub>22</sub>N<sub>6</sub>O<sub>2</sub>

Molecular Weight: 354.41

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	Vanin-1-IN-1 (VUN34002) is an vanin-1 enzyme inhibitor.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 125 mg/mL (352.7 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: 3.3 mg/mL (9.31 mM),Sonication is recommended. 10% DMSO+90% Saline: 10 mg/mL (28.22 mM),Solution. <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	2.8216 mL	14.108 mL	28.2159 mL
5 mM	0.5643 mL	2.8216 mL	5.6432 mL
10 mM	0.2822 mL	1.4108 mL	2.8216 mL
50 mM	0.0564 mL	0.2822 mL	0.5643 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

Agustin Casimiro-Garcia, et al. Novel pyrimidine carboxamides as inhibitors of vanin-1 enzyme. WO2018011681A1.

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