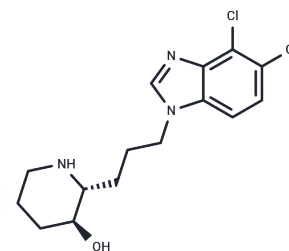


## Bersiporocin

## Chemical Properties

CAS No. :	2241808-52-4
Formula:	C <sub>15</sub> H <sub>19</sub> Cl <sub>2</sub> N <sub>3</sub> O
Molecular Weight:	328.24
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	Bersiporocin is a novel prolyl-tRNA synthetase (PRS) inhibitor that exerts antifibrotic effects through downregulation of collagen synthesis and is well tolerated in the clinic. In cellular and animal models of idiopathic pulmonary fibrosis (IPF), DWN12088 significantly reduced collagen synthesis and improved lung function.
Targets(IC50)	DNA/RNA Synthesis

## Solubility Information

Solubility	DMSO: 100 mg/mL (304.66 mM), Sonication is recommended. ( < 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 3.3 mg/mL (10.05 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	3.0466 mL	15.2328 mL	30.4655 mL
5 mM	0.6093 mL	3.0466 mL	6.0931 mL
10 mM	0.3047 mL	1.5233 mL	3.0466 mL
50 mM	0.0609 mL	0.3047 mL	0.6093 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

Bong-Yong Lee, et al. Heterocyclic compounds, preparation methods, pharmaceutical compositions, and use as pyrolyl-tRNA synthetase inhibitors. WO2018147626 A1

WHO Drug Information, Vol. 35, No. 4, 2021. Geneva: World Health Organization; 2022.

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