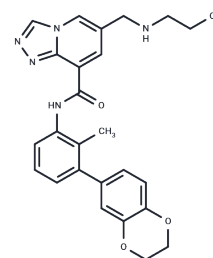


PD-1-IN-22

## Chemical Properties

CAS No. : 2349372-98-9  
 Formula: C<sub>25</sub>H<sub>25</sub>N<sub>5</sub>O<sub>4</sub>  
 Molecular Weight: 459.5  
 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	PD-1-IN-22 is a potent inhibitor of the programmed cell death-1 (PD-1)/programmed cell death-ligand 1 (PD-L1) interaction, with an IC <sub>50</sub> of 92.3 nM.
Targets(IC <sub>50</sub> )	PD-1/PD-L1
In vitro	PD-1-IN-22 dose-dependently increases interferon-γ (IFN-γ) secretion in a co-culture model of Hep3B/OS-8/hPD-L1 and CD3 T cells[1].

## Solubility Information

Solubility	DMSO: 50 mg/mL (108.81 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1763 mL	10.8814 mL	21.7628 mL
5 mM	0.4353 mL	2.1763 mL	4.3526 mL
10 mM	0.2176 mL	1.0881 mL	2.1763 mL
50 mM	0.0435 mL	0.2176 mL	0.4353 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

Qin M, et al. Discovery of [1,2,4]Triazolo[4,3- a]pyridines as Potent Inhibitors Targeting the Programmed Cell Death-1/Programmed Cell Death-Ligand 1 Interaction. J Med Chem. 2019 May 9;62(9):4703-4715.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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