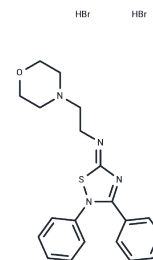


## VP3.15 dihydrobromide

## Chemical Properties

CAS No. :	1281681-33-1
Formula:	C <sub>20</sub> H <sub>24</sub> Br <sub>2</sub> N <sub>4</sub> O <sub>5</sub>
Molecular Weight:	528.3
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	VP3.15 dihydrobromide is a potent, orally bioavailable, and CNS-penetrant dual inhibitor of phosphodiesterase (PDE7) and glycogen synthase kinase (GSK)3, with IC <sub>50</sub> values of 1.59 μM and 0.88 μM, respectively.
Targets(IC <sub>50</sub> )	GSK-3,PDE

## Solubility Information

Solubility	DMSO: 22.5 mg/mL (42.59 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: 2 mg/mL (3.79 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	1.8929 mL	9.4643 mL	18.9286 mL
5 mM	0.3786 mL	1.8929 mL	3.7857 mL
10 mM	0.1893 mL	0.9464 mL	1.8929 mL
50 mM	0.0379 mL	0.1893 mL	0.3786 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

Medina-Rodríguez, Eva María, Bribián, Ana, Boyd A , et al. Promoting in vivo remyelination with small molecules: a neuroreparative pharmacological treatment for Multiple Sclerosis[J]. Scientific Reports, 2017, 7:43545.

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