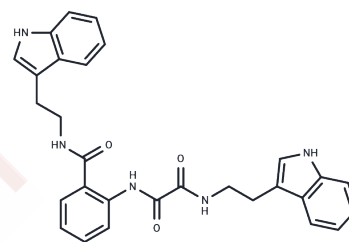


VS-15

## Chemical Properties

CAS No. : 951948-78-0  
 Formula: C<sub>29</sub>H<sub>27</sub>N<sub>5</sub>O<sub>3</sub>  
 Molecular Weight: 493.56  
 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	VS-15 is a selective inhibitor of IDO1, specifically binding to its apo-heme form. Additionally, VS-15 serves as an inhibitor of iNOS.
Targets(IC50)	NO Synthase, IDO, Indoleamine 2,3-Dioxygenase (IDO)
In vitro	VS-15 impedes the IDO1-mediated signaling pathways by negatively interfering with the cooperation between IDO1 and SHPs and PI3K regulatory subunit p85, as well as anchoring IDO1 in the early endosomes of tumor cells. Additionally, VS-15 counteracts the immunosuppressive phenotype of dendritic cells induced by TGF- $\beta$ and reduces the level of inhibition on T-cell proliferation exerted by suppressive monocytes isolated from pancreatic cancer patients.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0261 mL	10.1305 mL	20.261 mL
5 mM	0.4052 mL	2.0261 mL	4.0522 mL
10 mM	0.2026 mL	1.013 mL	2.0261 mL
50 mM	0.0405 mL	0.2026 mL	0.4052 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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