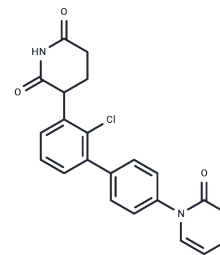


## VAV1 degrader-3

## Chemical Properties

CAS No. :	3050683-38-7
Formula:	C <sub>22</sub> H <sub>17</sub> ClN <sub>2</sub> O <sub>3</sub>
Molecular Weight:	392.84
Storage:	Keep away from moisture 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	VAV1 degrader-3 is an orally active and efficient VAV1 molecular glue degrader that reduces immune cell activation, proliferation, and cytokine production, useful for studying inflammation and autoimmune diseases.
Targets(IC50)	Molecular Glues
In vitro	VAV1 degrader-3 (0-1µM, 24h) induces VAV1 degradation, thereby reducing CD69 expression mediated by the B cell receptor and the secretion of IL-6 and IgG in primary human B cells. VAV1 degrader-3 inhibits the growth of B lymphoma cells in a concentration-dependent manner. [1]
In vivo	VAV1 degrader-3 (1-10 mg/kg, oral) inhibits the progression of experimental autoimmune encephalomyelitis (EAE) in the EAE mouse model in a dose-dependent manner. In the T cell transfer-induced colitis model, VAV1 degrader-3 (1 mg/kg, oral) inhibited colitis. In the collagen-induced arthritis model, VAV1 degrader-3 (1 mg/kg, 21 days, oral) reduced the production of anti-collagen II IgG1 antibodies and prevented the progression of arthritis. [1]

## Solubility Information

Solubility	DMSO: 51.7 mg/mL (131.61 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 5.17 mg/mL (13.16 mM),Suspension. <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	2.5456 mL	12.7278 mL	25.4557 mL
5 mM	0.5091 mL	2.5456 mL	5.0911 mL
10 mM	0.2546 mL	1.2728 mL	2.5456 mL
50 mM	0.0509 mL	0.2546 mL	0.5091 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

Laura Ann Mcallister, et al. Targeted degradation of vavPatent. WO2024151547A1.

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

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

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481