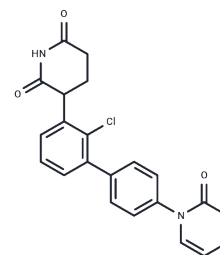


## VAV1 degrader-3

### 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<br>Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br><small>Actual storage temperature shall be subject to the COA.</small> |



### 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 (0-1 μM, 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.<br>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.<br>In the T cell transfer-induced colitis model, VAV1 degrader-3 (1 mg/kg, oral) inhibited colitis.<br>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] |

### Preparing Stock Solutions

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|       | 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  |

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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.

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