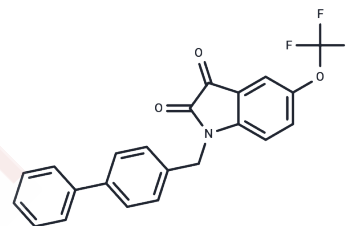


VU 0365114

## Chemical Properties

CAS No. : 1208222-39-2  
 Formula: C<sub>22</sub>H<sub>14</sub>F<sub>3</sub>NO<sub>3</sub>  
 Molecular Weight: 397.35  
 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	VU 0365114 is a positive allosteric modulator of mAChR M5 and increases ACh-induced calcium mobilization (EC <sub>50</sub> : 2.7 μM).
Targets(IC <sub>50</sub> )	AChR

## Solubility Information

Solubility	H <sub>2</sub> O: < 0.1 mg/mL (insoluble) DMSO: 45 mg/mL (113.25 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 (5.03 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	2.5167 mL	12.5834 mL	25.1667 mL
5 mM	0.5033 mL	2.5167 mL	5.0333 mL
10 mM	0.2517 mL	1.2583 mL	2.5167 mL
50 mM	0.0503 mL	0.2517 mL	0.5033 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

Bridges TM, et al. Heterobiaryl and heterobiaryl ether derived M5 positive allosteric modulators. Bioorg Med Chem Lett. 2010 Oct 1;20(19):5617-22.

**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