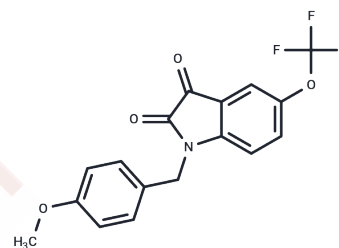


VU 0238429

## Chemical Properties

CAS No. : 1160247-92-6  
 Formula: C<sub>17</sub>H<sub>12</sub>F<sub>3</sub>N<sub>2</sub>O<sub>4</sub>  
 Molecular Weight: 351.28  
 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 0238429 (SCR-1481B1) is positive allosteric modulator of muscarinic acetylcholine receptor subtype 5 (mAChR5 or M5)( EC50 : 1.16 µM).
Targets(IC50)	AChR

## Solubility Information

Solubility	DMSO: 150 mg/mL (427.01 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: 4 mg/mL (11.39 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	2.8467 mL	14.2337 mL	28.4673 mL
5 mM	0.5693 mL	2.8467 mL	5.6935 mL
10 mM	0.2847 mL	1.4234 mL	2.8467 mL
50 mM	0.0569 mL	0.2847 mL	0.5693 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. Discovery of the first highly M5-preferring muscarinic acetylcholine receptor ligand, an M5 positive allosteric modulator derived from a series of 5-trifluoromethoxy N-benzyl isatins.

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