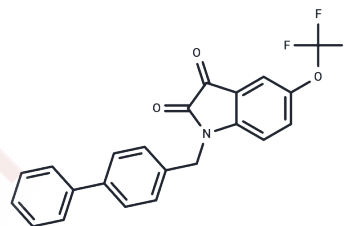


VU 0365114

Chemical Properties

CAS No. : 1208222-39-2
 Formula: C₂₂H₁₄F₃NO₃
 Molecular Weight: 397.35
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	VU 0365114 is a positive allosteric modulator of mAChR M5 and increases ACh-induced calcium mobilization(EC ₅₀ : 2.7 μM).
Targets(IC ₅₀)	AChR

Solubility Information

Solubility	H ₂ 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)
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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.

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.

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