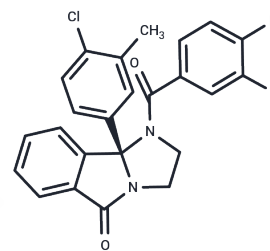


(R)-VU 6008667

Chemical Properties

CAS No. : 2097818-14-7
 Formula: C₂₄H₁₇ClF₂N₂O₂
 Molecular Weight: 438.85
 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	(R)-VU 6008667 is devoid of M5 NAM activity (IC ₅₀ >10 μM).
Targets(IC ₅₀)	Others,AChR

Solubility Information

Solubility	DMSO: 100 mg/mL (227.87 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: 3.3 mg/mL (7.52 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	2.2787 mL	11.3934 mL	22.7868 mL
5 mM	0.4557 mL	2.2787 mL	4.5574 mL
10 mM	0.2279 mL	1.1393 mL	2.2787 mL
50 mM	0.0456 mL	0.2279 mL	0.4557 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

McGowan KM et al, Continued optimization of the M5 NAM ML375: Discovery of VU6008667, an M5 NAM with high CNS penetration and a desired short half-life in rat for addiction studies. Bioorg Med Chem Lett. 2017 Mar 15;27(6): 1356-1359.

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