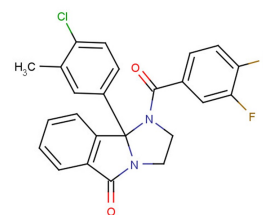


(Rac)-VU 6008667

Chemical Properties

CAS No.:	2092917-63-8
Formula:	C ₂₄ H ₁₇ ClF ₂ N ₂ O ₂
Molecular Weight:	438.85
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	(Rac)-VU 6008667 is a selective negative allosteric modulator of muscarinic acetylcholine receptor subtype 5 (M5 NAM) with IC ₅₀ of 1.8 μM and pIC ₅₀ of 5.75, has high CNS penetration.
Targets(IC ₅₀)	M5: 1.8 μM

Solubility Information

Solubility	DMSO: 125 mg/mL (284.84 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.279 mL	11.393 mL	22.787 mL
5 mM	0.456 mL	2.279 mL	4.557 mL
10 mM	0.228 mL	1.139 mL	2.279 mL
50 mM	0.046 mL	0.228 mL	0.456 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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.

Inhibitors · Natural Compounds · Compound Libraries

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