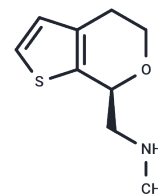
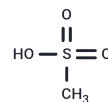


SEP-363856 mesylate

Chemical Properties

CAS No. :	2375116-27-9
Formula:	C10H17NO4S2
Molecular Weight:	279.38
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	SEP-363856 (SEP-856) mesylate is an orally active compound that acts as an agonist for both TAAR1 and 5-HT1A receptors. This compound exhibits antipsychotic activity in the central nervous system and has potential for the study of schizophrenia.
Targets(IC50)	5-HT Receptor
In vitro	SEP-856 mesylate (10 μ M) demonstrates greater than 50% inhibition of specific binding at several receptors, including α 2A, α 2B, D2, 5-HT1A, 5-HT1B, 5-HT1D, 5-HT2A, 5-HT2B, 5-HT2C, and 5-HT7.
In vivo	SEP-856 mesylate, administered intraperitoneally (0.3, 1, and 10 mg/kg), demonstrates CNS activity and a behavioral profile akin to established antipsychotic medications. When given orally (0.3, 1, and 10 mg/kg, once), SEP-856 mesylate notably diminishes PCP-induced hyperactivity. Additionally, oral dosage of SEP-856 mesylate (1, 3, and 10 mg/kg) leads to a dose-dependent reduction in REM sleep, prolongation in the latency period to REM sleep, and an extension in cumulative wake (W) time.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5794 mL	17.8968 mL	35.7935 mL
5 mM	0.7159 mL	3.5794 mL	7.1587 mL
10 mM	0.3579 mL	1.7897 mL	3.5794 mL
50 mM	0.0716 mL	0.3579 mL	0.7159 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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