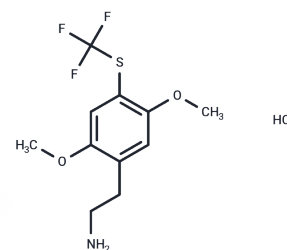


CYB210010

Chemical Properties

CAS No. : 2762568-47-6
 Formula: C₁₁H₁₅ClF₃NO₂S
 Molecular Weight: 317.76
 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	CYB210010, a long-acting, orally bioavailable serotonin 5-HT ₂ receptor agonist, selectively targets 5-HT _{2A} and 5-HT _{2C} receptors (EC 50: 4.1 n, 7.3 nM). It can penetrate the central nervous system, induce a head twitch response (HTR), and does not exhibit behavioral tolerance with chronic use [1].
Targets(IC50)	Androgen Receptor,5-HT Receptor
In vivo	CYB210010 shows oral bioavailability, successfully penetrates the central nervous system, binds to frontal cortex 5-HT _{2A} receptors, and enhances the expression of genes related to neural plasticity in the frontal cortex [1]. Administered subcutaneously in single doses of 0.1-3 mg/kg, CYB210010 induces head-twitch responses (HTR) in male C57BL/6J mice and can be repeatedly administered at threshold doses without leading to behavioral tolerance [1]. Maximum HTRs occur approximately 15 minutes post-administration and end after 220 minutes, with a significant effect from the vehicle observed between 5 and 160 minutes.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.147 mL	15.7351 mL	31.4703 mL
5 mM	0.6294 mL	3.147 mL	6.2941 mL
10 mM	0.3147 mL	1.5735 mL	3.147 mL
50 mM	0.0629 mL	0.3147 mL	0.6294 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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