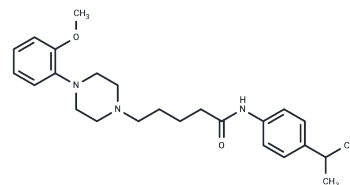


PDE4B/7A-IN-2

Chemical Properties

CAS No. : 2511632-55-4
Formula: C₂₅H₃₅N₃O₂
Molecular Weight: 409.56
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	This compound is a dual 5-HT _{1A} /5-HT ₇ receptor antagonist (5-HT _{1A} K _i = 8 nM, K _b = 0.04 nM; 5-HT ₇ K _i = 451 nM, K _b = 460 nM) with additional inhibitory activity against PDE4B/PDE7A (PDE4B IC ₅₀ = 80.4 μM; PDE7A IC ₅₀ = 151.3 μM). Its antidepressant-like effect surpasses that of the reference agent, escitalopram.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4416 mL	12.2082 mL	24.4164 mL
5 mM	0.4883 mL	2.4416 mL	4.8833 mL
10 mM	0.2442 mL	1.2208 mL	2.4416 mL
50 mM	0.0488 mL	0.2442 mL	0.4883 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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