

PSB-KD477

Chemical Properties

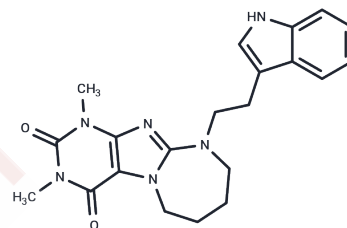
CAS No. : 2488763-19-3

Formula: C₂₁H₂₄N₆O₂

Molecular Weight: 392.45

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	PSB-KD477 is an Agonist of the Cannabinoid-Activated Orphan G-Protein-Coupled Receptor GPR18. PSB-KD477 displayed significantly higher potency and efficacy than THC, determined in a GPR18-dependent β -arrestin recruitment assay, and were found to be selective versus the CB-sensitive receptors CB1, CB2, and GPR55. Structure-activity relationships were steep, and indole substitution was crucial for biological activity. These first selective agonists, which are structurally distinct from the lipidic agonist(s), will allow target validation studies and may eventually contribute to the deorphanization of GPR18.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5481 mL	12.7405 mL	25.481 mL
5 mM	0.5096 mL	2.5481 mL	5.0962 mL
10 mM	0.2548 mL	1.274 mL	2.5481 mL
50 mM	0.051 mL	0.2548 mL	0.5096 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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