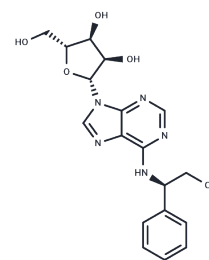


YGZ-331

Chemical Properties

CAS No. : 1350113-04-0
 Formula: C₁₉H₂₃N₅O₄
 Molecular Weight: 385.42
 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	YGZ-331, a sedative hypnotic, acts by elevating GABA levels as a derivative of the adenosine nucleoside NGBA. It functions through activating A1R and A2aR, and inhibiting the phosphorylation of CaMKII (pCaMKII), thereby exerting its calming effects. Additionally, YGZ-331 reduces spontaneous motor activity in mice.
Targets(IC50)	Adenosine Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5946 mL	12.9729 mL	25.9457 mL
5 mM	0.5189 mL	2.5946 mL	5.1891 mL
10 mM	0.2595 mL	1.2973 mL	2.5946 mL
50 mM	0.0519 mL	0.2595 mL	0.5189 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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