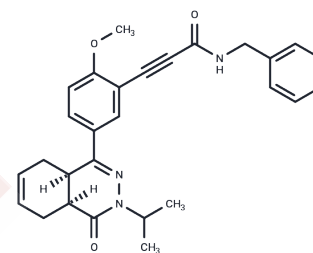


NPD-1335

Chemical Properties

CAS No. : 2376326-31-5
 Formula: C₂₈H₂₉N₃O₃
 Molecular Weight: 455.55
 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	NPD1335, a potent inhibitor of Trypanosoma brucei phosphodiesterase B1 (TbrPDEB1), exhibits submicromolar activity against T. brucei parasites and an improved cytotoxicity profile. By elevating intracellular cAMP levels, NPD1335 disrupts the cell cycle, leading to cell death [1].
Targets(IC50)	Others,Parasite,PDE

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1951 mL	10.9757 mL	21.9515 mL
5 mM	0.439 mL	2.1951 mL	4.3903 mL
10 mM	0.2195 mL	1.0976 mL	2.1951 mL
50 mM	0.0439 mL	0.2195 mL	0.439 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.

Reference

de Heuvel E, et al. Alkynamide phthalazinones as a new class of TbrPDEB1 inhibitors (Part 2). Bioorg Med Chem. 2019 Jul 5. pii: S0968-0896(19)30790-4.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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