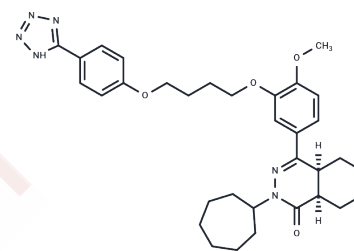


NPD-001

## Chemical Properties

CAS No. : 469863-16-9  
 Formula: C33H40N6O4  
 Molecular Weight: 584.71  
 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	NPD-001 is an effective inhibitor of TbrPDEB1. NPD-001 is 10-fold more potent on hPDE4 (hPDE4B1 IC50 = 0.6 nM) than on TbrPDEB1 (IC50 = 4 nM).
Targets(IC50)	Others,Parasite,PDE

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7102 mL	8.5512 mL	17.1025 mL
5 mM	0.342 mL	1.7102 mL	3.4205 mL
10 mM	0.171 mL	0.8551 mL	1.7102 mL
50 mM	0.0342 mL	0.171 mL	0.342 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

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de Koning HP, Gould MK, Sterk GJ, Tenor H, Kunz S, Luginbuehl E, Seebeck T. Pharmacological validation of *Trypanosoma brucei* phosphodiesterases as novel drug targets. *J Infect Dis.* 2012 Jul 15;206(2):229-37. doi: 10.1093/infdis/jir857. Epub 2012 Jan 30. PubMed PMID: 22291195; PubMed Central PMCID: PMC3379837.

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