
Product Data Sheet

Product Name: NPD-1335

Cat. No.: GC36769

Chemical Properties

Cas. No. 2376326-31-5

SMILES O=C(NCC1=CC=CC=C1)C#CC2=CC(C3=NN(C(C)C)C([C@@]4([H])CC=CC[C@@]34[H])=O)=CC=C2OC

Formula C₂₈H₂₉N₃O₃

M.Wt

455.55

Solubility Soluble in DMSO

Storage

Store at -20°C

General For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon Condition request.

Structure

Background

NPD1335 is a Trypanosoma brucei phosphodiesterase B1 (TbrPDEB1) inhibitor with submicromolar activities against T. brucei parasites. NPD1335 displays a greatly improved cytotoxicity profile. NPD1335 increases intracellular cAMP levels and results in the distortion of the cell cycle and cell death[1]. pKi: 6.9 (TbrPDEB1); pIC50: 6.2 (T. brucei) (NPD-1335)[1]

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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