
Product Data Sheet

Product Name: NPD-001
Cat. No.: GC64844

Chemical Properties

Cas. No. 469863-16-9

Formula C33H40N6O4 M.Wt 584.71

Solubility DMSO : 100 mg/mL (171.02 mM; Need ultrasonic) Storage Store at -20°C

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

Structure

Background

NPD-001 is a potent Trypanosoma brucei phosphodiesterases TbrPDEB1 and TbrPDEB2 inhibitor, with IC50 values of 4 and 3 nM, respectively. NPD-001 also inhibits human PDEs (phosphodiesterases). NPD-001 shows good anti trypanosomal activity, with an IC50 of 80 nM[1].

[1]. Veerman J, et al. Synthesis and evaluation of analogs of the phenylpyridazinone NPD-001 as potent trypanosomal TbrPDEB1 phosphodiesterase inhibitors and in vitro trypanocidals. Bioorg Med Chem. 2016 Apr 1;24(7):1573-81.

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

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