

Product Data Sheet

Product Name: Enpp-1-IN-20

Cat. No.: GC74032

Chemical Properties

Cas. No.

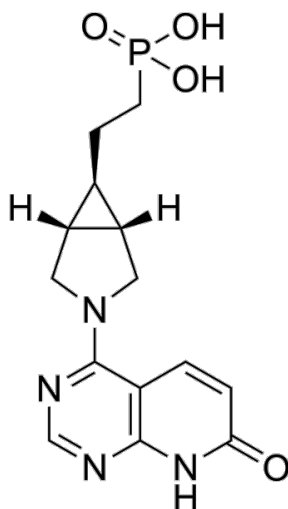
Formula $C_{14}H_{17}N_4O_4P$ M.Wt 336.28

Solubility DMSO : 1.92 mg/mL (5.71 mM); ultrasonic and adjust pH to 2 with 1 M HCL) Storage $-20^{\circ}C$

General tips For obtaining a higher solubility , please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ 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

Enpp-1-IN-20 (Compound 31) is an ectonucleotide pyrophosphatase/phosphodiesterase 1 (ENPP1) inhibitor, with an IC_{50} of 0.09 nM. Enpp-1-IN-20 has strongest inhibitory activity in the cell-based assay, with an IC_{50} of 8.8 nM. Enpp-1-IN-20 has significant potency in both ENPP1 inhibition and STING pathway stimulation in vitro. Enpp-1-IN-20 can be used for the research of cancer.

References:

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

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[1]. Sun Y, et al. Discovery of Pyrido[2,3-d]pyrimidin-7-one Derivatives as Highly Potent and Efficacious Ectonucleotide Pyrophosphatase/Phosphodiesterase 1 (ENPP1) Inhibitors for Cancer Treatment. J Med Chem. 2024 Feb 22.

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