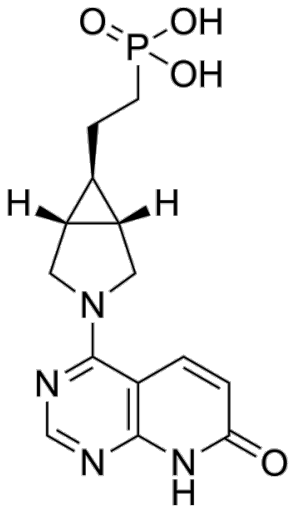
Product Data Sheet

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°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

Enpp-1-IN-20 (Compound 31) is an ectonucleotide pyrophosphatase/phosphodiesterase 1 (ENPP1) inhibitor, with an IC50 of 0.09 nM. Enpp-1-IN-20 has strongest inhibitory activity in the cell-based assay, with an IC50 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.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

[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.

Caution: Product has not been fully validated for medical applications. For research use only.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA