Data Sheet (Cat.No.T11314)

TargetMol®
YOUR TARGET MOLECULES

Fosmanogepix

Chemical Properties

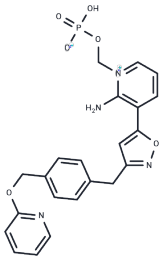
CAS No. : 2091769-17-2

Formula: C22H21N4O6P

Molecular Weight: 468.4

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Fosmanogepix (APX001) is a first-in-class, orally available broad-spectrum antifungal agent. It acts as an N-phosphonooxymethyl prodrug that undergoes rapid and complete metabolism by systemic alkaline phosphatases. This metabolism leads to the formation of the active moiety, APX001A. Fosmanogepix (APX001), with its ability to target the highly conserved Gwt1 fungal enzyme, holds great potential for the development of treatments against invasive fungal infections.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 5 mg/mL (10.67 mM),when pH is adjusted to 4 with HCl. Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1349 mL	10.6746 mL	21.3493 mL
5 mM	0.427 mL	2.1349 mL	4.2699 mL
10 mM	0.2135 mL	1.0675 mL	2.1349 mL
50 mM	0.0427 mL	0.2135 mL	0.427 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.

Reference

Shaw KJ, et al. In Vitro and In Vivo Evaluation of APX001A/APX001 and Other Gwt1 Inhibitors against Cryptococcus. Antimicrob Agents Chemother. 2018 Jul 27;62(8). pii: e00523-18.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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