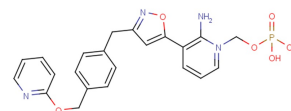


Fosmanogepix

Chemical Properties

CAS No.:	2091769-17-2
Formula:	C ₂₂ H ₂₁ N ₄ O ₆ P
Molecular Weight:	468.4
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Fosmanogepix (APX001) is an N-phosphonoxyethyl prodrug which is rapidly and completely metabolized by systemic alkaline phosphatases to the active moiety, APX001A. Fosmanogepix (APX001) can be used in development for the treatment of invasive fungal infections. Fosmanogepix (APX001) is a first-in-class and orally available broad-spectrum antifungal agent, which targets the highly conserved Gwt1 fungal enzyme.
Targets(IC ₅₀)	Gwt1: None

Solubility Information

Solubility	DMSO: 5 mg/mL (10.67 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.135 mL	10.675 mL	21.349 mL
5 mM	0.427 mL	2.135 mL	4.27 mL
10 mM	0.213 mL	1.067 mL	2.135 mL
50 mM	0.043 mL	0.213 mL	0.427 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. 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.
- Gebremariam T, et al. APX001 Is Effective in the Treatment of Murine Invasive Pulmonary Aspergillosis. Antimicrob Agents Chemother. 2019 Jan 29;63(2). pii: e01713-18.

Inhibitors · Natural Compounds · Compound Libraries

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Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481