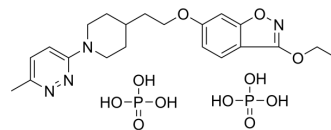


Vapendavir diphosphate

Cat. No.:	HY-106254A
CAS No.:	1198151-75-5
Molecular Formula:	C ₂₁ H ₃₂ N ₄ O ₁₁ P ₂
Molecular Weight:	578
Target:	Enterovirus
Pathway:	Anti-infection
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 6.75 mg/mL (11.68 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.7301 mL	8.6505 mL	17.3010 mL
	5 mM	0.3460 mL	1.7301 mL	3.4602 mL
	10 mM	0.1730 mL	0.8651 mL	1.7301 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Vapendavir diphosphate (BTA798 diphosphate) is a potent enteroviral capsid binder (CB). Vapendavir diphosphate (BTA798 diphosphate) possesses potent antiviral activity for enterovirus 71 (EV71) replication, with EC₅₀ values of 0.5-1.4 μM in different EV71 strains^{[1][2]}.

IC₅₀ & Target

EC₅₀: 0.5-1.4 μM (EV71 strains)^{[1][2]}.

In Vitro

Vapendavir (BTA798) efficiently inhibit the in vitro replication of 21 EV71 strains/isolates that are representative of the different genogroups A, B, and C^[2].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- ACS Infect Dis. 2020 May 8;6(5):882-890.

REFERENCES

- [1]. Tijsma A, et al. The capsid binder Vapendavir and the novel protease inhibitor SG85 inhibit enterovirus 71 replication. *Antimicrob Agents Chemother.* 2014 Nov;58(11):6990-2.
- [2]. Sun L, et al. Antiviral Activity of Broad-Spectrum and Enterovirus-Specific Inhibitors against Clinical Isolates of Enterovirus D68. *Antimicrob Agents Chemother.* 2015 Dec;59(12):7782-5.
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Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA