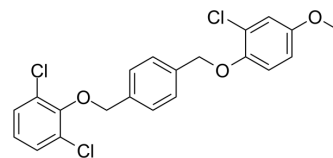


## Pocapavir

<b>Cat. No.:</b>	HY-104074		
<b>CAS No.:</b>	146949-21-5		
<b>Molecular Formula:</b>	C <sub>21</sub> H <sub>17</sub> Cl <sub>3</sub> O <sub>3</sub>		
<b>Molecular Weight:</b>	423.72		
<b>Target:</b>	Enterovirus		
<b>Pathway:</b>	Anti-infection		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (236.00 mM; Need ultrasonic)					
		Solvent Concentration	Mass	1 mg	5 mg	10 mg
	<b>Preparing Stock Solutions</b>	1 mM		2.3600 mL	11.8002 mL	23.6005 mL
		5 mM		0.4720 mL	2.3600 mL	4.7201 mL
10 mM			0.2360 mL	1.1800 mL	2.3600 mL	
Please refer to the solubility information to select the appropriate solvent.						
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (5.90 mM); Clear solution  2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.90 mM); Clear solution					

### BIOLOGICAL ACTIVITY

<b>Description</b>	Pocapavir (SCH-48973) is an orally active capsid inhibitor. Pocapavir prevents virion uncoating upon entry into the cell. Pocapavir has antiviral activity against polioviruses. Pocapavir also inhibits enterovirus infections <sup>[1]</sup> .
<b>In Vitro</b>	Pocapavir belongs to a picornavirus antiviral mechanistic class called capsid inhibitors that block virus uncoating and viral RNA release into cells, which in turn prevents virus replication <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### CUSTOMER VALIDATION

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- J Clin Immunol. 2022 Jul 23.
  - Research Square Preprint. 2022 Feb.
  - bioRxiv. 2020 Apr.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

## REFERENCES

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[1]. Collett MS, et al. Antiviral Activity of Pocopavir in a Randomized, Blinded, Placebo-Controlled Human Oral Poliovirus Vaccine Challenge Model. J Infect Dis. 2017 Feb 1;215(3):335-343.

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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](mailto:tech@MedChemExpress.com)

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