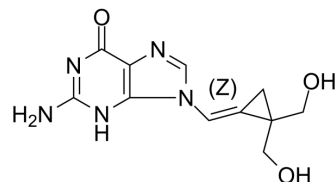


## Cyclopropavir

Cat. No.:	HY-16721		
CAS No.:	632325-71-4		
Molecular Formula:	C <sub>11</sub> H <sub>13</sub> N <sub>5</sub> O <sub>3</sub>		
Molecular Weight:	263.25		
Target:	CMV; HSV		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 33.33 mg/mL (126.61 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.7987 mL	18.9934 mL	37.9867 mL
	5 mM	0.7597 mL	3.7987 mL	7.5973 mL
	10 mM	0.3799 mL	1.8993 mL	3.7987 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Cyclopropavir (Filociclovir; ZSM-I-62; MBX-400) is a broad-spectrum anti-herpesvirus compound, has good antiviral activity against cytomegalovirus (CMV), herpes simplex virus (HSV)-6 and HSV-8 with EC<sub>50</sub>s of 0.7 μM to 8 μM<sup>[1]</sup>.

### REFERENCES

[1]. Kern ER, et al. In vitro activity and mechanism of action of methylenecyclopropane analogs of nucleosides against herpesvirus replication. Antimicrob Agents Chemother. 2005 Mar;49(3):1039-45.

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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