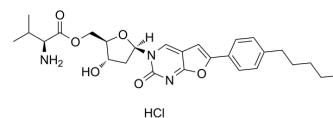


## Valnivudine hydrochloride

Cat. No.:	HY-19856
CAS No.:	956483-03-7
Molecular Formula:	C <sub>27</sub> H <sub>36</sub> ClN <sub>3</sub> O <sub>6</sub>
Molecular Weight:	534.04
Target:	Others
Pathway:	Others
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 : 100 mg/mL (187.25 mM; Need ultrasonic)					
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div></div>	Mass	1 mg	5 mg	10 mg
		1 mM		1.8725 mL	9.3626 mL	18.7252 mL
		5 mM		0.3745 mL	1.8725 mL	3.7450 mL
		10 mM		0.1873 mL	0.9363 mL	1.8725 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (4.68 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (4.68 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.68 mM); Clear solution					

### BIOLOGICAL ACTIVITY

Description	FV-100 is a potent, selective and orally active anti-varicella zoster virus agent. FV-100 is a proagent of CF-1743. FV-100 exhibits very low toxicity in vivo <sup>[1][2]</sup> .
In Vitro	FV-100 is intensely fluorescent when illuminated by wavelengths of 340-380 nm <sup>[1]</sup> . FV-100 (1 h) produces a different distribution in HeLa cells <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	FV-100 (50-500 mg/kg; p.o.) does not induce biologically relevant respiratory changes or any apparent neuropsychological effects in rats <sup>[2]</sup> .

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MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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## REFERENCES

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- [1]. Migliore M, et, al. FV-100: the most potent and selective anti-varicella zoster virus agent reported to date. *Antivir Chem Chemother.* 2010 Jan 5;20(3):107-15.
- [2]. Pentikis HS, et, al. Pharmacokinetics and safety of FV-100, a novel oral anti-herpes zoster nucleoside analogue, administered in single and multiple doses to healthy young adult and elderly adult volunteers. *Antimicrob Agents Chemother.* 2011 Jun;55(6):2847-54.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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