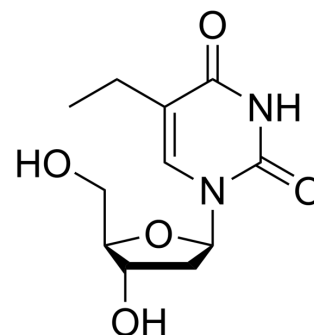


## Edoxudine

Cat. No.:	HY-B1011	
CAS No.:	15176-29-1	
Molecular Formula:	C <sub>11</sub> H <sub>16</sub> N <sub>2</sub> O <sub>5</sub>	
Molecular Weight:	256.26	
Target:	Bacterial	
Pathway:	Anti-infection	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 125 mg/mL (487.79 mM)  
 H<sub>2</sub>O : 50 mg/mL (195.11 mM; Need ultrasonic)  
 \* "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.9023 mL	19.5114 mL	39.0229 mL
	5 mM	0.7805 mL	3.9023 mL	7.8046 mL
	10 mM	0.3902 mL	1.9511 mL	3.9023 mL

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

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.08 mg/mL (8.12 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.08 mg/mL (8.12 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.08 mg/mL (8.12 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Edoxudine is an antiviral drug, is an analog of thymidine, shows effectiveness against herpes simplex virus.

### REFERENCES

**Caution: Product has not been fully validated for medical applications. For research use only.**

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