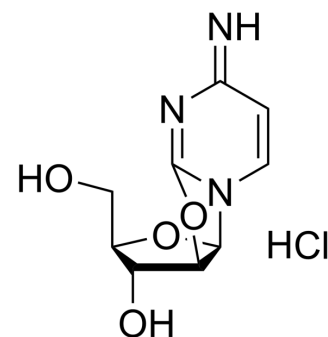


Ancitabine hydrochloride

Cat. No.:	HY-N0093
CAS No.:	10212-25-6
Molecular Formula:	C ₉ H ₁₂ ClN ₃ O ₄
Molecular Weight:	262
Target:	Autophagy; CMV
Pathway:	Autophagy; 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

H₂O : ≥ 50 mg/mL (190.84 mM)
 DMSO : 25 mg/mL (95.42 mM; Need ultrasonic)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	1 mM		3.8168 mL	19.0840 mL	38.1679 mL
	5 mM		0.7634 mL	3.8168 mL	7.6336 mL
	10 mM		0.3817 mL	1.9084 mL	3.8168 mL

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

In Vivo

- Add each solvent one by one: PBS
Solubility: 140 mg/mL (534.35 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (9.54 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (9.54 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (9.54 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Ancitabine (hydrochloride) is an important antileukemia drugs.

REFERENCES

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

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