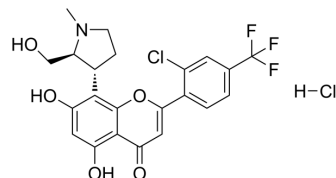


(2S,3R)-Voruciclib hydrochloride

Cat. No.:	HY-12422B
Molecular Formula:	C ₂₂ H ₂₀ Cl ₂ F ₃ NO ₅
Molecular Weight:	506.3
Target:	CDK
Pathway:	Cell Cycle/DNA Damage
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 : ≥ 250 mg/mL (493.78 mM)
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.9751 mL	9.8756 mL	19.7511 mL
	5 mM	0.3950 mL	1.9751 mL	3.9502 mL
	10 mM	0.1975 mL	0.9876 mL	1.9751 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 (4.11 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (4.11 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (4.11 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

rel-(2S,3R)-Voruciclib hydrochloride is the enantiomer of Voruciclib hydrochloride. Voruciclib is an orally active CDK inhibitor.

REFERENCES

[1]. Veena Agarwal, et al. A synergistic pharmaceutical combination for the treatment of pancreatic cancer. WO2012123889A1.

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

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