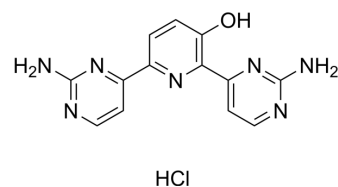


Avotaciclib hydrochloride

Cat. No.:	HY-137432B
Molecular Formula:	C ₁₃ H ₁₂ ClN ₇ O
Molecular Weight:	317.73
Target:	CDK
Pathway:	Cell Cycle/DNA Damage
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 14.29 mg/mL (44.98 mM; ultrasonic and warming and heat to 60°C)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.1473 mL	15.7366 mL	31.4733 mL
	5 mM	0.6295 mL	3.1473 mL	6.2947 mL
	10 mM	0.3147 mL	1.5737 mL	3.1473 mL

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

BIOLOGICAL ACTIVITY

Description

Avotaciclib hydrochloride is the hydrochloride form of Avotaciclib (HY-137432), a CDK1 inhibitor. Avotaciclib hydrochloride can be used for a few specific cancers, such as pancreatic cancer, in which CDK1 is abnormal and strongly expressed^[1].

IC₅₀ & Target

CDK1^[1]

REFERENCES

[1]. Xie Z, et al. Lessons Learned from Past Cyclin-Dependent Kinase Drug Discovery Efforts. J Med Chem. 2022 May 12;65(9):6356-6389.

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

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