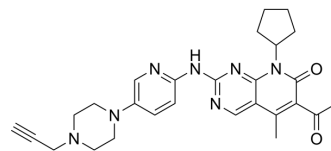


Palbociclib-propargyl

Cat. No.:	HY-130296
CAS No.:	2366269-23-8
Molecular Formula:	C ₂₇ H ₃₁ N ₇ O ₂
Molecular Weight:	485.58
Target:	Ligands for Target Protein for PROTAC
Pathway:	PROTAC
Storage:	-20°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 3.33 mg/mL (6.86 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.0594 mL	10.2970 mL	20.5939 mL
	5 mM	0.4119 mL	2.0594 mL	4.1188 mL
	10 mM	---	---	---

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

BIOLOGICAL ACTIVITY

Description

Palbociclib-propargyl is a ligand for target protein CDK6 for PROTAC, and binds to CRBN ligand via a PEG linker to make a PROTAC CP-10. CP-10 shows a DC₅₀ of 2.1 nM for CDK6^[1]. Palbociclib-propargyl is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.

REFERENCES

[1]. Su S, et al. Potent and Preferential Degradation of CDK6 via Proteolysis Targeting Chimera Degraders. J Med Chem. 2019 Aug 22;62(16):7575-7582.

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

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