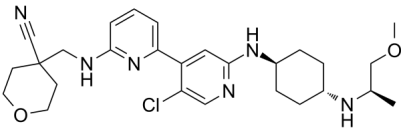


Data Sheet

Product Information

Catalog Number	BP10322
Product Name	NVP-2
Description	NVP-2 is an effective and selective ATP-competitive cyclin-dependent kinase 9 (CDK9) probe. NVP-2 induces cell apoptosis. NVP-2 inhibits CDK9/CycT activity (IC ₅₀ : 0.514 nM). NVP-2 shows inhibitory effects on CDK1/CycB, CDK2/CycA and CDK16/CycY kinases (IC ₅₀ : 0.584 μM, 0.706 μM, and 0.605 μM, respectively).
Targets&IC ₅₀	CDK9: 0.5 nM (IC ₅₀)
CAS No.	1263373-43-8
Chemical Formula	C ₂₇ H ₃₇ ClN ₆ O ₂
Molecular Weight	513.08
Solubility	DMSO: 100 mg/mL (194.91 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	 The chemical structure of NVP-2 is a complex molecule featuring a central pyridine ring substituted with a chlorine atom and two pyrazole rings. One pyrazole ring is linked to a 4-cyano-1,3-dioxolane group, and the other is linked to a 4-(1-methoxy-2-methylpropyl)pyrrolidine group.

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