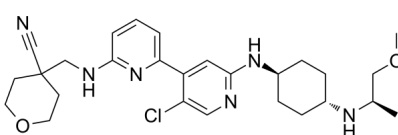


Certificate of Analysis

Catalog Number	BP10322
Product Name	NVP-2

Physical and Chemical Properties

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	

Product Information

Description	<p>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 (IC₅₀: 0.514 nM). NVP-2 shows inhibitory effects on CDK1/CycB, CDK2/CycA and CDK16/CycY kinases (IC₅₀: 0.584 μM, 0.706 μM, and 0.605 μM, respectively).</p>
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Targets&IC50	CDK9: 0.5 nM (IC50)
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Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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