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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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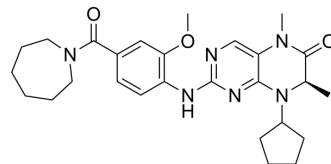
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PLK1/BRD4-IN-2

Cat. No.:	HY-160557		
CAS No.:	2251709-89-2		
Molecular Formula:	C ₂₇ H ₃₆ N ₆ O ₃		
Molecular Weight:	492.61		
Target:	Epigenetic Reader Domain		
Pathway:	Epigenetics		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 10 mg/mL (20.30 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.0300 mL	10.1500 mL	20.3000 mL
5 mM	0.4060 mL	2.0300 mL	4.0600 mL
10 mM	0.2030 mL	1.0150 mL	2.0300 mL

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

BIOLOGICAL ACTIVITY

Description	PLK1/BRD4-IN-2 (compound 15) is a BI-2536 (HY-50698) analog and dual inhibitor that targets both Polo-like kinase 1 (PLK1) and BRD4 bromodomain (BRD4-BD1 IC ₅₀ =28 nM, PLK1 IC ₅₀ =40 nM) ^[1] .
IC ₅₀ & Target	BRD4 ([1])

REFERENCES

[1]. Liu S, et al. Structure-Guided Design and Development of Potent and Selective Dual Bromodomain 4 (BRD4)/Polo-like Kinase 1 (PLK1) Inhibitors. J Med Chem. 2018 Sep 13;61(17):7785-7795. <https://pubmed.ncbi.nlm.nih.gov/30125504/>

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

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