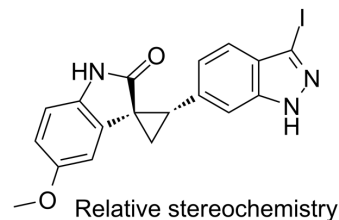


PLK4-IN-1

Cat. No.:	HY-134775		
CAS No.:	1247001-12-2		
Molecular Formula:	C ₁₈ H ₁₄ IN ₃ O ₂		
Molecular Weight:	431.23		
Target:	Polo-like Kinase (PLK)		
Pathway:	Cell Cycle/DNA Damage		
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 : 260 mg/mL (602.93 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.3189 mL	11.5947 mL	23.1895 mL
5 mM	0.4638 mL	2.3189 mL	4.6379 mL
10 mM	0.2319 mL	1.1595 mL	2.3189 mL

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

BIOLOGICAL ACTIVITY

Description

PLK4-IN-1 (Example A6) is a PLK4 inhibitor, with an IC₅₀ of ≤ 0.1 μM^[1].

IC₅₀ & Target

IC₅₀: ≤ 0.1 μM (PLK4)^[1].

REFERENCES

[1]. Peter Brent Sampson, et al. KINASE INHIBITORS AND METHOD OF TREATING CANCER WITH SAME. Patent. WO2011123946A1.

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

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