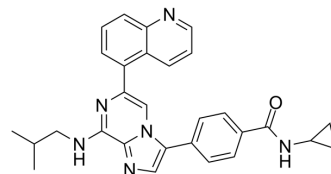


Mps-BAY2a

Cat. No.:	HY-110242		
CAS No.:	1382477-96-4		
Molecular Formula:	C ₂₉ H ₂₈ N ₆ O		
Molecular Weight:	476.57		
Target:	Mps1; Apoptosis		
Pathway:	Cell Cycle/DNA Damage; Cytoskeleton; Apoptosis		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 10 mg/mL (20.98 mM); ultrasonic and warming and heat to 80°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.0983 mL	10.4916 mL	20.9833 mL
5 mM	0.4197 mL	2.0983 mL	4.1967 mL
10 mM	0.2098 mL	1.0492 mL	2.0983 mL

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

BIOLOGICAL ACTIVITY

Description

Mps-BAY2a is a monopolar spindle 1 (MPS1) inhibitor with an IC₅₀ of 1 nM against human MPS1. Mps-BAY2a induces mitotic aberrations and apoptosis in cancer cells^[1].

IC₅₀ & Target

IC₅₀: 1 nM (human MPS1), 2.6 nM (rat MPS1), 9 nM (mouse MPS1)^[1]

REFERENCES

[1]. Jemaà M, et al. Characterization of novel MPS1 inhibitors with preclinical anticancer activity. Cell Death Differ. 2013 Nov;20(11):1532-45.

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

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