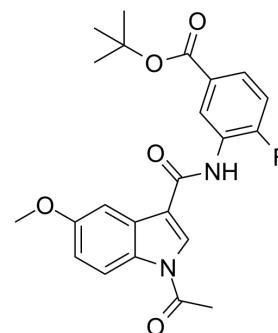


CBP/p300-IN-1

Cat. No.:	HY-111420		
CAS No.:	2443789-32-8		
Molecular Formula:	C ₂₃ H ₂₃ FN ₂ O ₅		
Molecular Weight:	426.44		
Target:	Epigenetic Reader Domain		
Pathway:	Epigenetics		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 62.5 mg/mL (146.56 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.3450 mL	11.7250 mL	23.4500 mL
		5 mM	0.4690 mL	2.3450 mL	4.6900 mL
10 mM		0.2345 mL	1.1725 mL	2.3450 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (4.88 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (4.88 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	CBP/p300-IN-1 is a CBP/EP300 bromodomain inhibitor.
IC₅₀ & Target	CBP/EP300 ^[1]

REFERENCES

[1]. Xiang Q, et al. Discovery and optimization of 1-(1H-indol-1-yl)ethanone derivatives as CBP/EP300 bromodomain inhibitors for the treatment of castration-resistant prostate cancer. *Eur J Med Chem.* 2018 Mar 10;147:238-252.

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

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