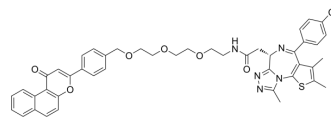


β-NF-JQ1

Cat. No.:	HY-130256		
CAS No.:	2380000-55-3		
Molecular Formula:	C ₄₅ H ₄₂ ClN ₅ O ₆ S		
Molecular Weight:	816.36		
Target:	PROTACs; Epigenetic Reader Domain		
Pathway:	PROTAC; 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 : 100 mg/mL (122.49 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	1.2249 mL	6.1247 mL	12.2495 mL
		5 mM	0.2450 mL	1.2249 mL	2.4499 mL
10 mM		0.1225 mL	0.6125 mL	1.2249 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (3.06 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	β-NF-JQ1 is a PROTAC that recruits Aryl Hydrocarbon Receptor E3 ligase to target proteins. β-NF-JQ1 is directed against bromodomain-containing (BRD) proteins using β-NF as an AhR ligand, induces the interaction of AhR and BRD proteins, and displays effective anticancer activity that correlated with protein knockdown activity ^[1] .
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REFERENCES

[1]. Ohoka N, et al. Development of Small Molecule Chimeras That Recruit AhR E3 Ligase to Target Proteins. ACS Chem Biol. 2019 Oct 16.

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

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