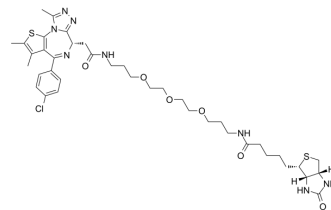


Biotinylated-JQ1

Cat. No.:	HY-145667
CAS No.:	1635437-52-3
Molecular Formula:	C ₃₉ H ₅₃ ClN ₈ O ₆ S ₂
Molecular Weight:	829.47
Target:	Epigenetic Reader Domain
Pathway:	Epigenetics
Storage:	-20°C, stored under nitrogen, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 180 mg/mL (217.01 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		1.2056 mL	6.0279 mL	12.0559 mL
		5 mM		0.2411 mL	1.2056 mL	2.4112 mL
	10 mM		0.1206 mL	0.6028 mL	1.2056 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 4.5 mg/mL (5.43 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 4.5 mg/mL (5.43 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 4.5 mg/mL (5.43 mM); Clear solution 					

BIOLOGICAL ACTIVITY

Description	Biotinylated-JQ1 (Biotin-JQ1) is a biotinylated derivative of JQ1 with high affinity for the bromodomain of BRD4. Biotinylated-JQ1 inhibits MM1.S multiple myeloma cells proliferation with the EC ₅₀ of 0.4 μM ^[1] .
In Vitro	Biotinylated-JQ1 (0.1 nM-100 μM; 72 hours) inhibits MM1.S cell proliferation with an EC ₅₀ of 0.4 μM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

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