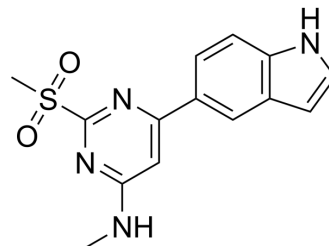


## DC-BPi-03

Cat. No.:	HY-150211
CAS No.:	2758411-46-8
Molecular Formula:	C <sub>14</sub> H <sub>14</sub> N <sub>4</sub> O <sub>2</sub> S
Molecular Weight:	302.35
Target:	Epigenetic Reader Domain
Pathway:	Epigenetics
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 33.33 mg/mL (110.24 mM); ultrasonic and warming and heat to 80°C)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.3074 mL	16.5371 mL	33.0742 mL
		5 mM	0.6615 mL	3.3074 mL	6.6149 mL
		10 mM	0.3307 mL	1.6537 mL	3.3074 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: 3.33 mg/mL (11.01 mM); Clear solution; Need ultrasonic				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 3.33 mg/mL (11.01 mM); Clear solution; Need ultrasonic				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 3.33 mg/mL (11.01 mM); Clear solution; Need ultrasonic				

### BIOLOGICAL ACTIVITY

Description	DC-BPi-03 is a potent BPTF-BRD inhibitor with an IC <sub>50</sub> of 698.3 nM and a K <sub>d</sub> of 2.81 μM <sup>[1]</sup> .
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### REFERENCES

[1]. Tian Lu, et al. Discovery of High-Affinity Inhibitors of the BPTF Bromodomain. J Med Chem. 2021 Aug 26;64(16):12075-12088.

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

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