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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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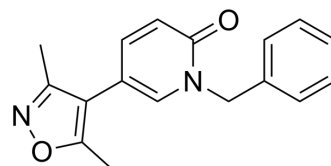
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ZEN-2759

Cat. No.:	HY-129201
CAS No.:	1616400-50-0
Molecular Formula:	C ₁₇ H ₁₆ N ₂ O ₂
Molecular Weight:	280.32
Target:	Epigenetic Reader Domain
Pathway:	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 (356.74 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		3.5674 mL	17.8368 mL	35.6735 mL
		5 mM		0.7135 mL	3.5674 mL	7.1347 mL
		10 mM		0.3567 mL	1.7837 mL	3.5674 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: ≥ 2.5 mg/mL (8.92 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (8.92 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil					
	Solubility: ≥ 2.5 mg/mL (8.92 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	ZEN-2759 is a potent BET (Bromodomain and Extra-Terminal Domain) inhibitor, with IC ₅₀ values of 0.23, 0.08 and 0.28 μM for BRD4(BD1), BRD4(BD2), and BRD4(BD1BD2), respectively ^[1] .		
IC ₅₀ & Target	BRD4 (BD2) 0.08 μM (IC ₅₀)	BRD4 (BD1) 0.23 μM (IC ₅₀)	BRD4(BD1BD2) 0.28 μM (IC ₅₀)

REFERENCES

[1]. Kharenko OA, et al. Design and Characterization of Novel Covalent Bromodomain and Extra-Terminal Domain (BET) Inhibitors Targeting a Methionine. J Med Chem. 2018 Sep 27;61(18):8202-8211.

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

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