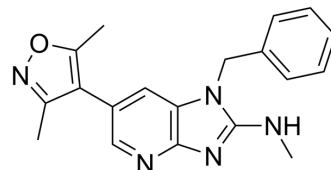


BET-IN-19

Cat. No.:	HY-125236
CAS No.:	1643947-30-1
Molecular Formula:	C ₁₉ H ₁₉ N ₅ O
Molecular Weight:	333.39
Target:	Epigenetic Reader Domain
Pathway:	Epigenetics
Storage:	Powder -20°C 3 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (299.95 mM; Need ultrasonic)					
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div></div>	Mass	1 mg	5 mg	10 mg
		1 mM		2.9995 mL	14.9974 mL	29.9949 mL
		5 mM		0.5999 mL	2.9995 mL	5.9990 mL
		10 mM		0.2999 mL	1.4997 mL	2.9995 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 (7.50 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (7.50 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.50 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	<p>BET-IN-19 (Compound 146) is a BET inhibitor. BET-IN-19 inhibits hLL-6 mRNA transcription ($IC_{50} \leq 0.3 \mu M$), and c-myc activity in human AML MV4-11 cell ($IC_{50} \leq 0.3 \mu M$). BET-IN-19 inhibits tetra-acetylated histone H4 binding to BRD4 bromodomain 1 ($IC_{50} \leq 0.3 \mu M$)^[1].</p>
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REFERENCES

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

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