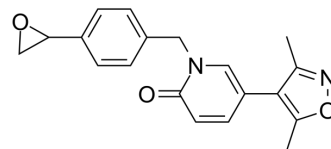


ZEN-3219

Cat. No.:	HY-111977		
CAS No.:	1952264-34-4		
Molecular Formula:	C ₁₉ H ₁₈ N ₂ O ₃		
Molecular Weight:	322.36		
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 : 25 mg/mL (77.55 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.1021 mL	15.5106 mL	31.0212 mL
	5 mM	0.6204 mL	3.1021 mL	6.2042 mL
	10 mM	0.3102 mL	1.5511 mL	3.1021 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

ZEN-3219 is a BET inhibitor with IC₅₀s of 0.48, 0.16 and 0.47 μM for BRD4(BD1), BRD4(BD2) and BRD4(BD1BD2), respectively. ZEN-3219 can be used to form PROTACs to induce degradation of BRD4^[1].

IC₅₀ & Target

BRD4 (BD1)	BRD4 (BD2)	BRD4(BD1BD2)
0.48 μM (IC ₅₀)	0.16 μM (IC ₅₀)	0.47 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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA