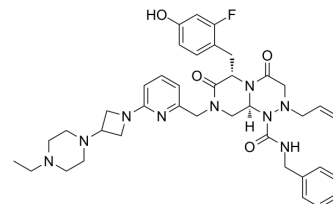


E-7386

Cat. No.:	HY-111386
CAS No.:	1799824-08-0
Molecular Formula:	C ₃₉ H ₄₈ FN ₉ O ₄
Molecular Weight:	725.85
Target:	Epigenetic Reader Domain
Pathway:	Epigenetics
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 2 years -20°C 1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (172.21 mM; Need ultrasonic)				
	Preparing Stock Solutions	<div>Solvent Concentration</div> <div>Mass</div>	1 mg	5 mg	10 mg
		1 mM	1.3777 mL	6.8885 mL	13.7770 mL
		5 mM	0.2755 mL	1.3777 mL	2.7554 mL
		10 mM	0.1378 mL	0.6888 mL	1.3777 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: ≥ 2.08 mg/mL (2.87 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (2.87 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (2.87 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	E-7386 is an orally active CBP/beta-catenin modulator.
IC ₅₀ & Target	CBP/beta-catenin ^[1]
In Vivo	E-7386 is an orally active CBP/beta-catenin modulator which can induce T cells infiltration into tumor and enhance antitumor activity of anti-PD-1 mAb in Wnt1 tumor syngeneic mice model. E-7386 shows significant antitumor activity in Wnt1 model. Infiltration of T cells is limited in vehicle control group, but T cell infiltration into tumors is clearly observed in

E-7386 treatment group^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

PROTOCOL

Animal Administration ^[1]

The mice are treated with E-7386 (50 mg/kg, orally, BID) for three weeks. Tumor diameters are measured with digital calipers, and the tumor volume in mm³ is calculated. Immunohistochemical (IHC) analysis is evaluated for tumor-infiltrating T cells^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Yusaku Hori, et al. E7386, an orally active CBP/beta-catenin modulator, induces T cells infiltration into tumor and enhances antitumor activity of anti-PD-1 mAb in Wnt1 tumor syngeneic mice model. Cancer Res 2017;77(13 Suppl):Abstract nr 5172.

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