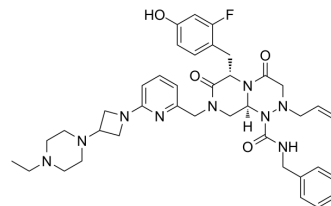


E-7386

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)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	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

- 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
- 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
- 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.

IC₅₀ & 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.

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