

E-7386

Chemical Properties

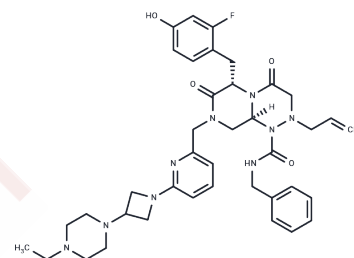
CAS No. : 1799824-08-0

Formula: C39H48FN9O4

Molecular Weight: 725.85

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	E-7386 is an oral active CBP/ β -catenin modulator.
Targets(IC50)	Epigenetic Reader Domain
In vivo	E-7386 is an oral active CBP/ β -catenin regulator, which can induce T cells to infiltrate into the tumor in the Wnt1 tumor cogene mouse model and enhance the anti-tumor activity of anti-PD-1 monoclonal antibody. In the Wnt1 model, t-cell infiltration in the vehicle control group was limited, while t-cell infiltration in the E-7386 treatment group was obvious, and E-7386 showed significant anti-tumor activity.

Solubility Information

Solubility	Methanol: 250 mg/mL (344.42 mM), Sonication is recommended. DMSO: 125 mg/mL (172.21 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4 mg/mL (5.51 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3777 mL	6.8885 mL	13.777 mL
5 mM	0.2755 mL	1.3777 mL	2.7554 mL
10 mM	0.1378 mL	0.6888 mL	1.3777 mL
50 mM	0.0276 mL	0.1378 mL	0.2755 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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