

Product Name : E-7386

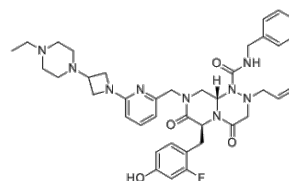
Synonyms : E7386

Cat No. : M12730

CAS Number : 1799824-08-0

Molecular Formula : C₃₉H₄₈FN₉O₄

Formula Weight : 725.87



Chemical Name : (6S,9aS)-2-allyl-N-benzyl-8-((6-(3-(4-ethylpiperazin-1-yl)azetidin-1-yl)pyridin-2-yl)methyl)-6-(2-fluoro-4-hydroxybenzyl)-4,7-dioxohexahydro-2H-pyrazino[2,1-c][1,2,4]triazine-1(6H)-carboxamide

Description : E-7386 (E7386) is a potent, orally active modulator of CBP/beta-catenin, disrupts the interaction and inhibits canonical Wnt signaling pathway /TCF reporter gene activity in LiCl-stimulated HEK-293 and MDA-MB-231 with IC₅₀ of 55 and 73 nM, respectively; exhibits anti-tumor activity in vitro tumor proliferation panel against 28 human tumor cell lines; modulates the expression of Wnt signaling pathway related genes including AXIN2 and other genes, significantly suppressed the number of polyps in a dose dependent manner at the dose 8.5-50 mg/kg, also significantly changed the expressions of Wnt related genes in whisker follicle of ApcMin/+mice model.

Pathway : Wnt/Notch/Hedgehog

Target : Beta-catenin

Receptor : Beta-catenin

Solubility : —

SMILES : CCN1CCN(CC1)C2CN(C2)C3=CC=CC(=N3)CN4CC5N(C(C4=O)CC6=C(C=C(C(=C6)O)F)C(=O)CN(N5C(=O)NCC7=CC=CC=C7)CC=C

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Kazuhiko Yamada, et al. Abstract 5177: E7386 : First-in-class orally active CBP/beta-catenin modulator as an anticancer agent. AACR 2017.