

Product Name : Beloranib

Synonyms : CKD-732;ZGN-433;ZGN-440

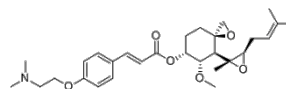
Cat No. : M13740

CAS Number : 251111-30-5

Molecular Formula : C₂₉H₄₁NO₆

Formula Weight : 499.65

Chemical Name : [(3R,6R,7S,8S)-7-methoxy-8-[(2R,3R)-2-methyl-3-(3-methylbut-2-enyl)oxiran-2-yl]-2-oxaspiro[2.5]octan-6-yl] (E)-3-[4-[2-(dimethylamino)ethoxy]phenyl]prop-2-enoate



Description : An analog of the natural compound Fumagillin that functions as a highly potent methionine aminopeptidase 2 (MetAP2) inhibitor; strongly inhibit the growth of cancers in xenografted nude model; also causes significant body weight and appetite reduction an anti-obesity agent. Obesity Phase 2 Clinical

Pathway : Metabolic Enzyme/Protease

Target : Aminopeptidase

Receptor : Aminopeptidase

Solubility : —

SMILES : O=C(O[C@H](CC1)[C@@H](OC)[C@H]([C@@]2(C)O[C@@H]2C/C=C(C)\C)[C@]31CO3)/C=C/C4=CC=C(OCCN(C)C)C=C4

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Kim YM, et al. J Mol Endocrinol. 2007 Apr;38(4):455-65. | 2. Morgen M, et al. ACS Chem Biol. 2016 Apr 15;11(4):1001-11. | 3. Chun E, et al. Int J Cancer. 2005 Mar 10;114(1):124-30. | 4. Hughes TE, et al. Obesity (Silver Spring). 2013 Sep;21(9):1782-8.

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