

Product Name : AMG 232

Synonyms : AMG232;AMG-232

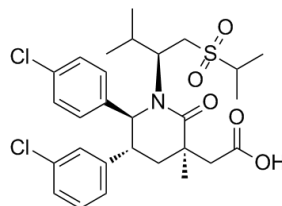
Cat No. : M11426

CAS Number : 1352066-68-2

Molecular Formula : C₂₈H₃₅Cl₂NO₅S

Formula Weight : 568.55

Chemical Name : 3-Piperidineacetic acid, 5-(3-chlorophenyl)-6-(4-chlorophenyl)-3-methyl-1-[(1S)-2-methyl-1-[[[1-methylethyl)sulfonyl]methyl]propyl]-2-oxo-, (3R,5R,6S)-



Description : AMG 232 is a potent, selective, orally bioavailable MDM2-p53 inhibitor with K_d of 0.045 nM, inhibits SJSA-1 cell proliferation with IC₅₀ of 9.1 nM; robustly induces p53 activity, leading to cell-cycle arrest and inhibition of tumor cell proliferation; significantly inhibits tumor growth in SJSA-1 osteosarcoma xenograft model with ED₅₀ of 9.1 mg/kg, also shows significantly superior antitumor efficacy combined with chemotherapies in vivo, enhances radiosensitivity via inhibition of damage repair signaling. Skin Cancer Phase 2 Clinical

Pathway : Apoptosis

Target : MDM2-p53

Receptor : MDM2-p53

Solubility : 10 mM in DMSO

SMILES : CC(C)S(C[C@@H](C(C)C)N(C1=O)[C@@H]([C@H]([C@@H](C1C(=O)O)C)C2=CC=CC(Cl)=C2)C3=CC=C(C=C3)Cl)(=O)=O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Sun D, et al. J Med Chem. 2014 Feb 27;57(4):1454-72. | 2. Canon J, et al. Mol Cancer Ther. 2015 Mar;14(3):649-58. | 3. Werner LR, et al. Mol Cancer Ther. 2015 Sep;14(9):1994-2003. | 4. Prabakaran PJ, et al. Clin Cancer Res. 2017 Oct 15;23(20):6044-6053.