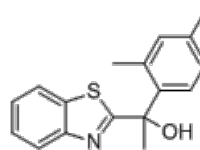


Product Name : AC-265347
Synonyms : AC265347
Cat No. : M11021
CAS Number : 1253901-26-6
Molecular Formula : C₁₇H₁₇NOS
Formula Weight : 283.39
Chemical Name : 1-(1,3-benzothiazol-2-yl)-1-(2,4-dimethylphenyl)ethanol



Description : AC-265347 is a calcimimetic acting agent and highly efficacious, orally active allosteric agonist (PAM) of CaSR with IC₅₀ of 10 nM in PI hydrolysis assays; activates CaSR signaling in cellular proliferation with IC₅₀ of 30 nM; significantly stimulates greater responses than Cinacalcet or Calindol at each of four loss-of-function human polymorphic CaSR variants, and does not inhibit the CYP2D6 cytochrome P450 isozyme; reduced serum parathyroid hormone (PTH) in rats, also reduces plasma ionizable calcium ([Ca(2+)](o)).

Pathway : GPCR/G Protein

Target : CaSR

Receptor : CaSR

Solubility : —

SMILES : CC(C1=NC2=CC=CC=C2S1)(O)C3=CC=C(C)C=C3C

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Ma JN, et al. J Pharmacol Exp Ther. 2011 Apr;337(1):275-84. 2. Cook AE, et al. Br J Pharmacol. 2015 Jan;172(1):185-200. 3. Leach K, et al. Cell Res. 2016 May;26(5):574-92.