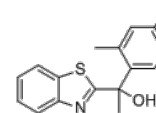


**Product Name** : AC265347  
**Cat. No.** : PC-20136  
**CAS No.** : 1253901-26-6  
**Molecular Formula** : C<sub>17</sub>H<sub>17</sub>NOS  
**Molecular Weight** : 283.39  
**Target** : Calcium-sensing Receptor (CaSR)  
**Solubility** : 10 mM in DMSO



## Biological Activity

AC-265347 (AC265347) is a potent, selective **CaSR** agonist and positive allosteric modulator (ago-PAM), activates CaSR signaling in cellular proliferation and phosphatidylinositol (PI) hydrolysis assays with potencies of 30 and 10 nM, respectively.

AC-265347 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.

AC-265347 reduces serum parathyroid hormone (PTH) in rats, also reduces plasma ionizable calcium ([Ca(2+)](o)).

## References

Ma JN, et al. *J Pharmacol Exp Ther.* 2011 Apr;337(1):275-84.

Cook AE, et al. *Br J Pharmacol.* 2015 Jan;172(1):185-200.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

E-mail: tech@probechem.com