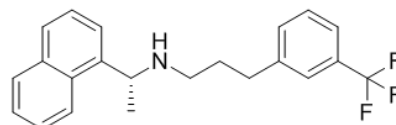


Product Name : Cinacalcet
Cat. No. : PC-45941
CAS No. : 226256-56-0
Molecular Formula : C₂₂H₂₂F₃N
Molecular Weight : 357.412
Target : Calcium-sensing Receptor (CaSR)
Solubility : 10 mM in DMSO



Biological Activity

Cinacalcet (AMG073) is a calcimimetic agent that acts as an allosteric activator of **CaSR** with EC₅₀ of 51 nM. Cinacalcet (AMG073) increases the concentration of cytoplasmic Ca(2+) in human embryonic kidney 293 cells expressing the human parathyroid CaR with EC₅₀ of 51 nM. Cinacalcet (AMG073) decreases PTH secretion from cultured bovine parathyroid cells with IC₅₀ of 28 nM. Cinacalcet (AMG073) is used for the treatment of tertiary hyperparathyroidism.

References

Nemeth EF, et al. *J Pharmacol Exp Ther.* 2004 Feb;308(2):627-35.
Lindberg JS, et al. *Kidney Int.* 2003 Jan;63(1):248-54.
Quarles LD, et al. *J Am Soc Nephrol.* 2003 Mar;14(3):575-83.

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

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