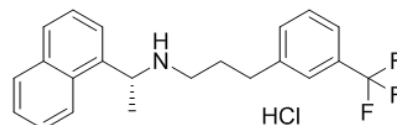


Product Name : Cinacalcet hydrochloride
Cat. No. : PC-45942
CAS No. : 364782-34-3
Molecular Formula : C₂₂H₂₃ClF₃N
Molecular Weight : 393.8729
Target : Calcium-sensing Receptor (CaSR)
Solubility : 10 mM in DMSO



Biological Activity

Cinacalcet (AMG 073) hydrochloride is a calcimimetic agent that acts as an allosteric activator of **CaSR**.

Cinacalcet (AMG 073) increases the concentration of cytoplasmic Ca(2+) in human embryonic kidney 293 cells expressing the human parathyroid CaR with EC50 of 51 nM.

Cinacalcet (AMG 073) decreases PTH secretion from cultured bovine parathyroid cells with IC50 of 28 nM.

Cinacalcet (AMG 073) 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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