

Product Name : Cinacalcet

Synonyms : AMG 073;AMG073;AMG-073

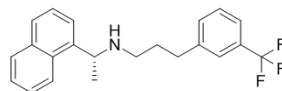
Cat No. : M13617

CAS Number : 226256-56-0

Molecular Formula : C₂₂H₂₂F₃N

Formula Weight : 357.41

Chemical Name : 1-Naphthalenemethanamine, .alpha.-methyl-N-[3-(trifluoromethyl)phenyl]propyl]-, (.alpha.R)-



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

Pathway : GPCR/G Protein

Target : CaSR

Receptor : CaSR

Solubility : 10 mM in DMSO

SMILES : CC(C1=CC=CC2=CC=CC=C21)NCCCC3=CC(=CC=C3)C(F)(F)F

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

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