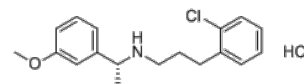


Product Name : Tecalcet hydrochloride
Cat. No. : PC-62908
CAS No. : 177172-49-5
Molecular Formula : $C_{18}H_{23}Cl_2NO$
Molecular Weight : 340.288
Target : Calcium-sensing Receptor (CaSR)
Solubility : 10 mM in DMSO



Biological Activity

Tecalcet (R-568;NPS R-568;KRN-568;NPS-568) is a calcimimetic acting agent and potent, selective positive allosteric modulator (agonist) of **CaSR**.

Tecalcet (R-568) potentiates the effects of extracellular Ca^{2+} on $[Ca^{2+}]_i$ and PTH secretion without effect in the absence of extracellular Ca^{2+} , does not affect responses elicited by the homologous mGluRs; prevents parathyroid hyperplasia in rats with severe secondary hyperparathyroidism.

References

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 Nemeth EF, et al. *Proc Natl Acad Sci U S A*. 1998 Mar 31;95(7):4040-5.
 Wada M, et al. *Kidney Int*. 2000 Jan;57(1):50-8.
 Hammerland LG, et al. *Mol Pharmacol*. 1998 Jun;53(6):1083-8.

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

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