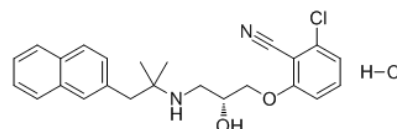


Product Name : NPS-2143 hydrochloride
Cat. No. : PC-42415
CAS No. : 324523-20-8
Molecular Formula : C₂₄H₂₆Cl₂N₂O₂
Molecular Weight : 445.3814
Target : Calcium-sensing Receptor (CaSR)
Solubility : 10 mM in DMSO



Biological Activity

NPS-2143 (SB262470A) hydrochloride is a potent, selective and orally active **CaSR** antagonist with IC₅₀ of 43 nM.

NPS-2143 does not inhibit cytoplasmic Ca²⁺ responses to glutamate in HEK 293 cells engineered to express mGluRs and GABAB receptors.

NPS-2143 stimulates parathyroid hormone (PTH) secretion from bovine parathyroid cells in vitro (EC₅₀=39 nM) and increases plasma PTH levels in vivo.

NPS-2143 also inhibits lipopolysaccharide-induced pulmonary inflammation.

References

Gowen M, et al. *J Clin Invest.* 2000 Jun;105(11):1595-604.

Nemeth EF, et al. *J Pharmacol Exp Ther.* 2001 Oct;299(1):323-31.

Lee JW, et al. *Mol Immunol.* 2017 Oct;90:150-157.

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

E-mail: tech@probechem.com