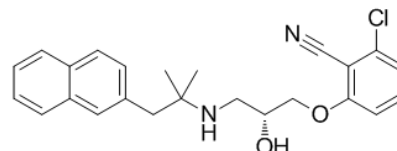


Product Name : NPS-2143
Cat. No. : PC-42051
CAS No. : 284035-33-2
Molecular Formula : C₂₄H₂₅ClN₂O₂
Molecular Weight : 408.9205
Target : Calcium-sensing Receptor (CaSR)
Solubility : 10 mM in DMSO



Biological Activity

NPS-2143 (SB262470) is a potent, selective and orally active **CaSR** antagonist with IC₅₀ of 43 nM.

NPS-2143 (SB262470) does not inhibit cytoplasmic Ca²⁺ responses to glutamate in HEK 293 cells engineered to express mGluRs and GABAB receptors.

NPS-2143 (SB262470) stimulates parathyroid hormone (PTH) secretion from bovine parathyroid cells in vitro (EC₅₀=39 nM) and increases plasma PTH levels in vivo.

NPS-2143 (SB262470) 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!

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