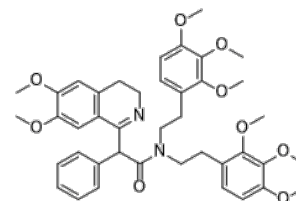


Product Name : Pinokalant
Cat. No. : PC-25775
CAS No. : 149759-26-2
Molecular Formula : C₄₁H₄₈N₂O₉
Molecular Weight : 712.84
Target : Calcium Channel
Solubility : 10 mM in DMSO



Biological Activity

Pinokalant (LOE908, LOE-908) is an inhibitor of receptor-operated Ca²⁺ channels (ROCCs) and non-selective cation channel inhibitor, inhibits store-operated Ca²⁺ entry (SOCE) induced by direct depletion of Ca²⁺ stores with 100 nM thapsigargin or 100 nM ionomycin with EC₅₀ of 2 μM and 4 μM, respectively.

Pinokalant (LOE908, LOE-908) does not affect thapsigargin- or ionomycin-induced Ca²⁺ release from intracellular stores.

Pinokalant (LOE908, LOE-908) reversibly suppressed thapsigargin- as well as ionomycin-induced whole-cell membrane currents.

References

Krautwurst D, et al. Mol Pharmacol. 1993 May;43(5):655-9.

Krautwurst D, et al. Naunyn Schmiedebergs Arch Pharmacol. 1994 Mar;349(3):301-7.

Encabo A, et al. Br J Pharmacol. 1996 Oct;119(4):702-6.

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

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