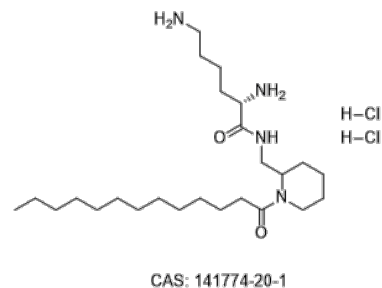


Product Name : NPC-15437
Cat. No. : PC-27152
CAS No. : 141774-20-1
Molecular Formula : C₂₅H₅₂Cl₂N₄O₂
Molecular Weight : 511.62
Target : PKC
Solubility : 10 mM in DMSO



Biological Activity

NPC-15437 (NPC15437) is a specific, competitive small molecule protein kinase C (PKC) inhibitor with IC₅₀ of 19 uM. NPC-15437 inhibits activation of PKCα by both phorbol 12-myristate 13-acetate (PMA) (K_i = 5 uM) and phosphatidylserine (PS) (K_i = 12 uM). NPC-15437 inhibits phorbol ester-induced ear edema in mouse (IC₅₀ = 175 micrograms/ear), demonstrating the ability to inhibit PKC-mediated activity in intact cells. NPC-15437 (1 mg/kg) induces specific deficits in memory retention in mice.

References

Sha EC, et al. Invest New Drugs. 1996;13(4):285-94.
 Mathis C, et al. Eur J Pharmacol. 1992 Sep 10;220(1):107-10.
 Sullivan JP, et al. Mol Pharmacol. 1992 Jan;41(1):38-44.
 Sullivan JP, et al. Agents Actions. 1991 Sep;34(1-2):142-4.

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

E-mail: tech@probechem.com