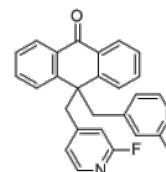


Product Name : DMP543
Cat. No. : PC-60687
CAS No. : 160588-45-4
Molecular Formula : C₂₆H₁₈F₂N₂O
Molecular Weight : 412.44
Target : Potassium Channel
Solubility : 10 mM in DMSO



Biological Activity

DMP543 (XR-543) is a potent blocker of voltage-gated potassium channels **Kv7** (KCNQ) that enhances ACh release from rat hippocampal slices in vitro with EC₅₀ of 0.7 μ M.

DMP543 maintains the 5- to 10-fold potency differential over linopirdine in increasing extracellular hippocampal ACh levels in the rat with a minimum effective dose of 1 mg/kg.

References

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Zaczek R, et al. J Pharmacol Exp Ther. 1998 May;285(2):724-30.

Pesti JA, et al. J Org Chem. 2000 Nov 17;65(23):7718-22.

Ipavec V, et al. Pharmacol Res. 2011 Oct;64(4):397-409.

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

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