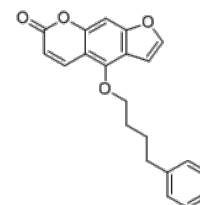


Product Name : Psora-4
Cat. No. : PC-62203
CAS No. : 724709-68-6
Molecular Formula : C₂₁H₁₈O₄
Molecular Weight : 334.371
Target : Potassium Channel
Solubility : 10 mM in DMSO



Biological Activity

Psora-4 is a potent and selective **Kv1.3** potassium channel blocker with EC₅₀ of 3 nM.

Psora-4 shows 17- to 70-fold selectivity for Kv1.3 over closely related Kv1-family channels (Kv1.1, Kv1.2, Kv1.4, and Kv1.7) with the exception of Kv1.5 (EC₅₀, 7.7 nM), and shows no effect on hERG, Kv3.1, the calcium-activated K⁺ channels (IKCa1, SK1-SK3, and BKCa), or the neuronal NaV1.2 channel.

Psora-4 selectively suppresses the proliferation of human and rat myelin-specific effector memory T cells with EC₅₀ of 25 and 60 nM, respectively, without persistently suppressing peripheral blood naive and central memory T cells.

References

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Wulff H, et al. *Nat Chem Biol*. 2013 Aug;9(8):473-4.

Schmitz A, et al. *Mol Pharmacol*. 2005 Nov;68(5):1254-70.

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

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