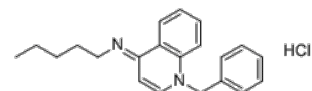


Product Name : CP-339818
Cat. No. : PC-62919
CAS No. : 478341-55-8
Molecular Formula : C₂₁H₂₅ClN₂
Molecular Weight : 340.895
Target : Potassium Channel
Solubility : 10 mM in DMSO



Biological Activity

CP-339818 is a potent, selective, non-peptide **KV1.3** channel antagonist with IC₅₀ of 200 nM.

CP-339818 displays selectivity over Kv1.1, Kv1.2, Kv1.5, Kv1.6, Kv3.1-4, and Kv4.2, with only exception Kv1.4 (IC₅₀=300 nM), also has no effect on T cell channels (I(CRAC) and intermediate-conductance K(Ca)).

CP-339818 inhibits Kv1.3 in a use-dependent manner by preferentially blocking the C-type inactivated state of the channel; suppresses human T cell activation.

References

Nguyen A, et al. *Mol Pharmacol*. 1996 Dec;50(6):1672-9.

Jäger H, et al. *J Physiol*. 1998 Jan 15;506 (Pt 2):291-301.

Lee YT, et al. *Eur J Pharmacol*. 2008 Feb 26;581(1-2):97-104.

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

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