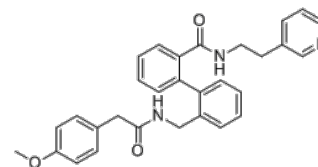


Product Name : AVE-0118
Cat. No. : PC-62817
CAS No. : 498577-53-0
Molecular Formula : C₃₀H₂₉N₃O₃
Molecular Weight : 479.58
Target : Potassium Channel
Solubility : 10 mM in DMSO



Biological Activity

AVE-0118 is a potent I(to)/I(Kur) blocker, **Kv1.5** channel inhibitor with IC₅₀ of 5.6 μ M, also blocks Kv1.3, Kv2.1, Kv3.1, and Kv4.3 channels with similar potency.

AVE-0118 dose-dependently prolongs the atrial refractoriness independent from rate and inhibits left atrial vulnerability (LAV) in vivo.

AVE-0118 fully restored atrial contraction without proarrhythmic effects on the ventricle.

References

- de Haan S, et al. *Circulation*. 2006 Sep 19;114(12):1234-42.
- Decher N, et al. *Mol Pharmacol*. 2006 Oct;70(4):1204-11.
- Wettwer E, et al. *Circulation*. 2004 Oct 19;110(16):2299-306.
- Wirth KJ, et al. *Cardiovasc Res*. 2003 Nov 1;60(2):298-306.

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

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