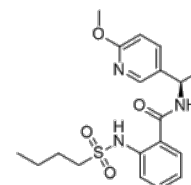


Product Name : A293
Cat. No. : PC-72462
CAS No. : 767334-89-4
Molecular Formula : C₂₀H₂₇N₃O₄S
Molecular Weight : 405.51
Target : Potassium Channel
Solubility : 10 mM in DMSO



Biological Activity

A293 (AVE1231) is a potent and antiarrhythmic compound and selective inhibitor of two-pore-domain potassium channel **TASK-1 (KCNK3, hK2P3.1)**.

A293 (AVE1231) is an inhibitor of hKv1.5 currents with predominant action on channels in their open state.

A293 (1 μM) prominently depolarized arterial smooth muscle and increased basal tone level and contractile responses to methoxamine of arteries from young rats but had almost no effect in adult rats.

Pharmacological inhibition of atrial TASK-1 currents via A293 (AVE1231) exerts antiarrhythmic effects in vivo as well as in silico, resulting in acute cardioversion of paroxysmal atrial fibrillation (AF).

References

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Wirth KJ, et al. *J Cardiovasc Pharmacol*. 2007 Apr;49(4):197-206.

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

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