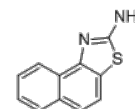


Product Name : SKA-31
Cat. No. : PC-47099
CAS No. : 40172-65-4
Molecular Formula : C₁₁H₈N₂S
Molecular Weight : 200.259
Target : Potassium Channel
Solubility : 10 mM in DMSO



Biological Activity

SKA-31 is a small molecule activator of **KCa2** and **KCa3.1** potassium channels with EC50 values of 260, 2900, 2900 nM for KCa3.1, KCa2.1 and KCa2.2 respectively.

SKA-31 activated native KCa2.3 and KCa3.1 channels in murine endothelial cells, and potentiated endothelium-derived hyperpolarizing factor-mediated dilations of carotid arteries from KCa3.1(+/-) mice but not from KCa3.1(-/-) mice.

Administration of 10 and 30 mg/kg SKA-31 lowered mean arterial blood pressure by 4 and 6 mm Hg in normotensive mice and by 12 mm Hg in angiotensin-II-induced hypertension.

References

Sankaranarayanan A, et al. *Mol Pharmacol*. 2009 Feb;75(2):281-95.

Parajuli SP, et al. *J Pharmacol Exp Ther*. 2012 Jan;340(1):114-23.

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

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