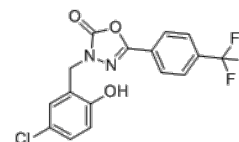


Product Name : BMS-191011
Cat. No. : PC-38451
CAS No. : 202821-81-6
Molecular Formula : C₁₆H₁₀ClF₃N₂O₃
Molecular Weight : 370.7
Target : Potassium Channel
Solubility : 10 mM in DMSO



Biological Activity

BMS-191011 (BMS-A) is a small molecule activator of large-conductance calcium-activated potassium (KCa1.1/BK) channels, increases current to 126% over control at 1 μ M.

BMS-191011 (10-100 μ g/kg, i.v.) increased the diameter of retinal arterioles without altering systemic blood pressure and heart rate significantly.

BMS-191011 could completely abolished iberiotoxin-induced vasodilator effects of acetylcholine on retinal arterioles in non-diabetic rats.

References

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Romine JL, et al. J Med Chem. 2007 Feb 8;50(3):528-42.

Hewawasam P, et al. Bioorg Med Chem Lett. 2003 May 19;13(10):1695-8.

Mori A, et al. Eur J Pharmacol. 2011 Nov 1;669(1-3):94-9.

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

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