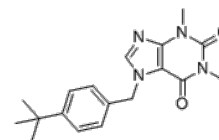


Product Name : VU0071063
Cat. No. : PC-21735
CAS No. : 333415-38-6
Molecular Formula : C₁₈H₂₂N₄O₂
Molecular Weight : 326.40
Target : Potassium Channel
Solubility : 10 mM in DMSO



Biological Activity

VU0071063 is a potent and specific Kir6.2/SUR1 opener with EC₅₀ of 7.44 μ M, inhibits insulin secretion by inducing hyperpolarization of β -cell membrane potential.

VU0071063 dose dependently opens Kir6.2/SUR1, inhibits glucose-stimulated insulin secretion.

VU0071063 dose dependently and reversibly hyperpolarizes the β -cell membrane potential, inhibits glucose-stimulated Ca²⁺ entry and insulin secretion.

VU0071063 significant increases blood glucose in vivo.

References

Kharade SV, et al. J Pharmacol Exp Ther. 2019;370(3):350-359.

Raphemot R, et al. Mol Pharmacol. 2014;85(6):858-865.

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

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