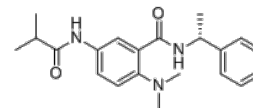


Product Name : RY796
Cat. No. : PC-60806
CAS No. : 1393441-53-6
Molecular Formula : C₂₁H₂₇N₃O₂
Molecular Weight : 353.466
Target : Potassium Channel
Solubility : 10 mM in DMSO



Biological Activity

RY796 is a potent, selective **Kv2 channel** inhibitor that potently inhibits Kv2.1 and Kv2.2 with IC₅₀ of 0.14 and 0.09 μ M, respectively.

RY796 shows no significant activity against Kv1.2 and Kv7.1, and Cav channels.

RY796 enhances GSIS in isolated wild-type (WT) mouse and human islets, but not in islets from Kv2.1(-/-) mice, enhances somatostatin release in isolated human and mouse islets.

References

Herrington J, et al. *Mol Pharmacol*. 2011 Dec;80(6):959-64.

Li XN, et al. *J Pharmacol Exp Ther*. 2013 Feb;344(2):407-16.

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

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