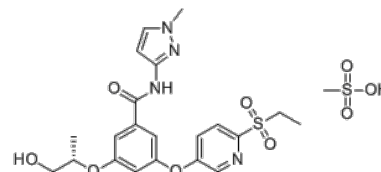


Product Name : MK-0941 mesylate
Cat. No. : PC-61879
CAS No. : 1137916-97-2
Molecular Formula : C₂₂H₂₈N₄O₉S₂
Molecular Weight : 556.605
Target : Glucokinase
Solubility : 10 mM in DMSO



Biological Activity

MK-0941 mesylate (MK0941) is a novel potent, orally active **Glucokinase (GK)** activator with EC₅₀ of 0.240 and 0.065 uM in 2.5 and 10 mM glucose, respectively.

MK-0941 increases insulin secretion by 17-fold and glucose uptake up to 18-fold, respectively, in isolated rat islets of Langerhans and hepatocytes at 10 uM.

MK-0941 exhibits strong glucose-lowering activity in rodent models of type 2 diabetes and healthy dogs.

References

Eiki J, et al. *Mol Pharmacol*. 2011 Dec;80(6):1156-65.

Meininger GE, et al. *Diabetes Care*. 2011 Dec;34(12):2560-6.

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

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