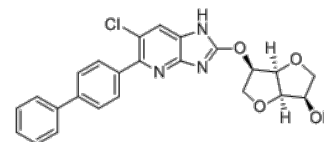


Product Name : MK-8722
Cat. No. : PC-60137
CAS No. : 1394371-71-1
Molecular Formula : C₂₄H₂₀ClN₃O₄
Molecular Weight : 449.891
Target : AMPK
Solubility : 10 mM in DMSO



Biological Activity

MK-8722 is a potent, selective, allosteric pan-**AMPK** activator with EC₅₀ of 1-60 nM for all 12 mammalian AMPK isoforms. MK-8722 exhibits higher affinity for β1-containing (1-6 nM) versus β2-containing (15-63 nM) pAMPK complexes. MK-8722 increases glucose uptake into skeletal muscle in vitro and in vivo, but induces cardiac hypertrophy.

References

Myers RW, et al. *Science*. 2017 Aug 4;357(6350):507-511.

Danqing Feng, et al. *ACS Med. Chem. Lett.* DOI: 10.1021/acsmchemlett.7b00417

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

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