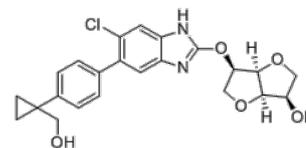


Product Name : PF-739
Cat. No. : PC-60138
CAS No. : 1852452-14-2
Molecular Formula : C₂₃H₂₃ClN₂O₅
Molecular Weight : 442.896
Target : AMPK
Solubility : 10 mM in DMSO



Biological Activity

PF-739 (PF739) is a potent, pan-**AMPK** activator with similar potency for all AMPK heterotrimers, increases the phosphorylation of the AMPK substrate ACC at S79 with EC₅₀ of 121 nM.

PF-739 potently inhibits de novo lipogenesis (IC₅₀=25 nM) in primary rat hepatocytes.

PF-739 increases PGC1α transcription and mitochondrial content, effectively activates AMPK in hepatocytes and in skeletal muscle.

PF-739 treatment caused a rapid lowering of plasma glucose levels with no impact on hepatic glucose production in diabetic mice.

References

Cokorinos EC, et al. *Cell Metab.* 2017 May 2;25(5):1147-1159.

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

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