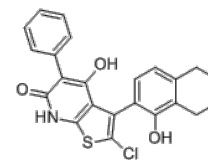


Product Name : PXL770
Cat. No. : PC-47024
CAS No. : 1523493-53-9
Molecular Formula : C₂₃H₁₈ClNO₃S
Molecular Weight : 423.911
Target : AMPK
Solubility : 10 mM in DMSO



Biological Activity

PXL770 is a novel orally bioavailable, small-molecule direct **AMPK** activator with EC₅₀ of 16.2, 42.1 and 64 nM for α1β1γ1, α1β1γ2 and α1β1γ3, directly increases AMPK activity by both allosteric activation and protection from dephosphorylation. PXL770 improves glucose metabolism and dyslipidemia in rodent models of metabolic syndrome, and reduces hepatic DNL in vitro and in vivo.

PXL770 ameliorated each of the classical NASH hallmarks, including steatosis, ballooning, inflammation, and fibrogenesis in diet-induced (DIO) mouse NASH model.

References

Cusi K, et al. *Lancet Gastroenterol Hepatol*. 2021 Nov;6(11):889-902.

Gluais-Dagorn P, et al. *Hepatol Commun*. 2022 Jan;6(1):101-119.

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

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