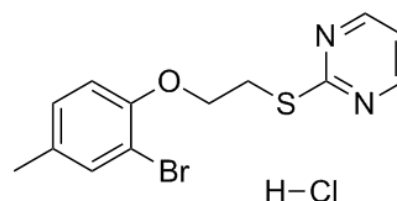


Product Name : ZLN-024 hydrochloride
Cat. No. : PC-45055
CAS No. : 1883548-91-1
Molecular Formula : C₁₃H₁₄BrClN₂OS
Molecular Weight : 361.6851
Target : AMPK
Solubility : DMSO: ≥ 46 mg/mL



Biological Activity

ZLN-024 hydrochloride is a potent, allosteric **AMPK** activator that has no effect on mitochondrial function or the ADP/ATP ratio, directly activate recombinant AMPK $\alpha 1\beta 1\gamma 1$ and its homologue $\alpha 2\beta 1\gamma 1$ with EC₅₀ of 0.42 μ M and 0.95 μ M, respectively.

ZLN-024 also directly activate recombinant AMPK $\alpha 1\beta 2\gamma 1$ (EC₅₀=1.1 μ M) and AMPK $\alpha 2\beta 2\gamma 1$ (EC₅₀=0.13 μ M).

ZLN-024 activates AMPK in L6 myotubes and stimulates glucose uptake and fatty acid oxidation.

ZLN-024 improves glucose tolerance, liver tissue weight, triacylglycerol and decreases the total cholesterol content in db/db mice (15 mg/kg/day).

References

Zhang LN, et al. *PLoS One*. 2013 Aug 20;8(8):e72092.

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

E-mail: tech@probechem.com