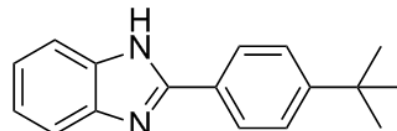


Product Name : ZLN-005
Cat. No. : PC-45338
CAS No. : 49671-76-3
Molecular Formula : C₁₇H₁₈N₂
Molecular Weight : 250.3382
Target : PGC-1α
Solubility : DMSO: ≥ 47 mg/mL



Biological Activity

ZLN-005 (ZLN005) is a small molecule peroxisome proliferator-activated receptor-γ coactivator-1α (**PGC-1α**) transcriptional activator, increases expression of the PGC-1α gene and downstream genes by activation of AMP-activated protein kinase (AMPK).

ZLN-005 improves glucose uptake and fatty acid oxidation without obvious cytotoxicity in L6 myotubes.

ZLN-005 produces antihyperglycemia and antihyperlipidemia effects and increases insulin sensitivity in db/db mice.

References

Zhang LN, et al. *Diabetes*. 2013 Apr;62(4):1297-307.

Kadlec AO, et al. *Hypertension*. 2017 Jul;70(1):166-173.

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

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