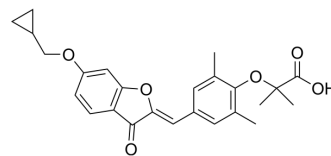


ZLY06

Cat. No.:	HY-168049
CAS No.:	2834727-04-5
Molecular Formula:	C ₂₅ H ₂₆ O ₆
Molecular Weight:	422.47
Target:	PPAR; Akt
Pathway:	Cell Cycle/DNA Damage; Metabolic Enzyme/Protease; Vitamin D Related/Nuclear Receptor; PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	ZLY06 is an orally active dual agonist of peroxisome proliferator-activated receptor (PPAR) δ and γ (PPAR δ : EC ₅₀ =341 nM; PPAR γ : EC ₅₀ =237 nM). ZLY06 induces hepatic lipid accumulation by inhibiting the phosphorylation of AKT1, mediating the upregulation of CD36. In addition, ZLY06 significantly improves glucose and lipid metabolism without increasing body weight, and alleviates fatty liver by promoting β -oxidation of fatty acids and inhibiting hepatic lipogenesis ^{[1][2]} .	
IC ₅₀ & Target	PPAR γ 237 nM (IC ₅₀)	PPAR δ 341 nM (IC ₅₀)

REFERENCES

[1]. Zheng Li, et al. "Discovery of the first-in-class dual PPAR δ / γ partial agonist for the treatment of metabolic syndrome." *European Journal of Medicinal Chemistry* 225 (2021): 113807.

[2]. Xiaotong Cai, et al. "Novel Dual PPAR δ / γ Partial Agonist Induces Hepatic Lipid Accumulation through Direct Binding and Inhibition of AKT1 Phosphorylation, Mediating CD36 Upregulation." *Chemical Research in Toxicology* (2024).

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA