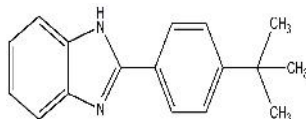


PRODUCT: ZLN005**ALTERNATE NAME:** 2-(4-tert-Butylphenyl)-1H-benzimidazole, 2-[4-(1,1-Dimethylethyl)phenyl]-1H-benzimidazole**CATALOG #:** 2550-10, 50**AMOUNT:** 10 mg, 50 mg**STRUCTURE:****MOLECULAR FORMULA:** C₁₇H₁₈N₂**MOLECULAR WEIGHT:** 250.34**CAS No.** 49671-76-3**APPEARANCE:** White to off-white solid**SOLUBILITY:** DMSO (~ 10 mg/ml)**PURITY:** ≥95% by HPLC**STORAGE:** Store at -20°C. Protect from light and air**DESCRIPTION:** ZLN005 is a small molecule transcriptional regulator of peroxisome proliferator-activated receptor- coactivator-1 (PGC-1). It stimulates the expression of PGC-1 and downstream genes in skeletal muscle cells, improving glucose utilization and fatty acid oxidation at a concentration of 20 μM. ZLN005 increases fat oxidation and improves the glucose tolerance, pyruvate tolerance, and insulin sensitivity of diabetic db/db mice.**REFERENCE:** Zhang, L.N., *et al.* (2013). *Diabetes* **62**, 1297-1307.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

Ciglitazone (Cat. No. 1695-5)

GW1929 (Cat. No. 2057-5, 25)

GW501516 (Cat.No 1971-1, 5)

GW9662 (Cat. No. 1697-5)

Pioglitazone (Cat. No. 1877-5, 25, 100)

PPAR-alpha Antibody (Cat. No. 3585-100)

PPAR-gamma Antibody (Cat. No. 3809-100)

PPAR-gamma Antagonist, G3335 (Cat. No. 1979-10, 25)

Rosiglitazone (Cat. No. 1559-5, 50, 100)

Troglitazone (Cat. No. 1696-5)

WY14643 (Cat. No. 2041-10, 50)

USAGE: **FOR RESEARCH USE ONLY! Not to be used in humans.**