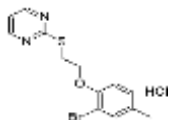


PRODUCT: ZLN024 hydrochloride**ALTERNATE NAMES:** 2-[[2-(2-Bromo-4-methylphenoxy)ethyl]thio]pyri-midine hydrochloride**CATALOG NUMBER:** B2034-5,25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₁₃H₁₃BrN₂OS.HCl**MOLECULAR WEIGHT:** 361.69**CAS NUMBER:** 723249-01-2 (Free base)**APPEARANCE:** White solid**SOLUBILITY:** DMSO (>30 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20 °C. Protect from air and light

DESCRIPTION: ZLN024 is an allosteric activator of AMP-activated protein kinase (AMPK) heterotrimers (EC₅₀s = 0.42 and 0.95 μM for α1β1γ1 and α2β1γ1, respectively). Inhibits dephosphorylation of AMPK Thr-172 by PP2Cα. Stimulates glucose uptake and fatty acid oxidation without increasing the ADP/ATP ratio.

REFERENCES: Li, Y.Y., *et al.* (2013). *Toxicol. Appl. Pharmacol.* **273**, 325-334.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**AICAR (**1687**)EZSolution™ AICAR (**2344**)AICA Riboside, 5'-phosphate (**9416**)AMPK Activator, D942 (**2341**)MOTS-c (human) (**9697**)A-769662 (**1719**)Cordycepin (**2078**)PF-06409577 (**B2033**)Phenformin hydrochloride (**1889**)ZLN024 hydrochloride (**B2034**)**USAGE:** **FOR RESEARCH USE ONLY! Not to be used in humans**