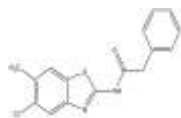


PRODUCT: LH-846**ALTERNATE NAME:** N-(5-Chloro-6-methyl-2-benzothiazolyl)benzeneacetamide**CATALOG #:** 9423-10, 50**AMOUNT:** 10 mg, 50 mg**STRUCTURE:****MOLECULAR FORMULA:** C₁₆H₁₃ClN₂OS**MOLECULAR WEIGHT:** 316.81**CAS NUMBER:** 639052-78-1**APPEARANCE:** White solid**SOLUBILITY:** DMSO (>30 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light**DESCRIPTION:** LH-846 is a potent and selective inhibitor of casein kinase (CK) 1δ (IC₅₀ values are 290 nM, 1.3 μM and 2.5 μM for CK1δ, ε and α); displays no inhibitory activity at CK2. Inhibits CK1δ-dependent phosphorylation and degradation of PER1 protein. LH846 increases circadian period by 10 hours in human U2OS cells.**REFERENCES:** Lee, J.W., *et al.* (2011). *Angew. Chem. Int. Ed. Engl.* **50**, 10608-10611.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

Apigenin (Cat. No. 2508-25, 100)

CX-4945 (Cat. No. 2459-5, 25)

D4476 (Cat. No. 1770-1,5)

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