

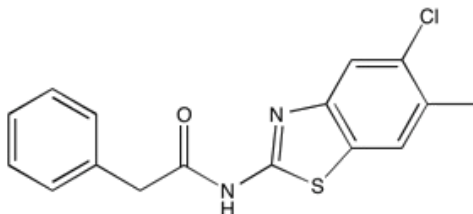
Catalog # 10-1465

LH-846

CAS# 639052-78-1

N-(5-Chloro-6-methyl-2-benzothiazolyl)benzeneacetamide

Lot # S101091



Potent and selective inhibitor of casein kinase (CK) 1 δ ., IC₅₀s=0.29, 1.3 and 2.5 μ M for δ , ϵ and α isoforms respectively with no inhibition of CK2. Inhibits CK1 δ -mediated phosphorylation and degradation of PER1 protein and lengthens circadian period in U2OS cells.¹

- 1) Lee et al. (2011), *A small molecule modulates circadian rhythms through phosphorylation of the period protein*; Angew. Chem. Int. ed. Engl., **50** 10608

PHYSICAL DATA

Molecular Weight:	318.8
Molecular Formula:	C ₁₆ H ₁₃ ClN ₂ OS
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	Soluble in DMSO (up to 20 mg/ml) or in Ethanol (up to 5 mg/ml with warming)
Physical Description:	White solid
Storage and Stability:	Store as supplied desiccated at room temperature for up to 1 year from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

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