

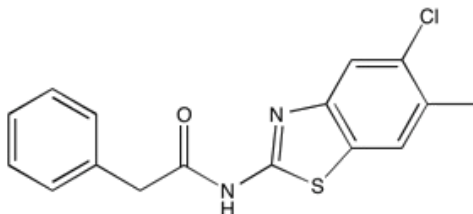
**Catalog # 10-1465**

**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 $\delta$ ., IC<sub>50</sub>s=0.29, 1.3 and 2.5  $\mu$ M for  $\delta$ ,  $\epsilon$  and  $\alpha$  isoforms respectively with no inhibition of CK2. Inhibits CK1 $\delta$ -mediated phosphorylation and degradation of PER1 protein and lengthens circadian period in U2OS cells.<sup>1</sup>

1) Lee et al. (2011), *Small*; Chem. Int. ed. Engl., **50** 10608

**PHYSICAL DATA**

Molecular Weight:	318.8
Molecular Formula:	C <sub>16</sub> H <sub>13</sub> ClN <sub>2</sub> 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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