

LH-846, Casein kinase 1delta inhibitor

Catalog	Unit
TBI1465-5MG	5 mg
TBI1465-25MG	25 mg

Product Details

Formal Name: N-(5-Chloro-6-methyl-2-benzothiazolyl)benzeneacetamide

Molecular Formula: C₁₆H₁₃ClN₂OS

Formula Weight: 316.81

CAS Number: 639052-78-1

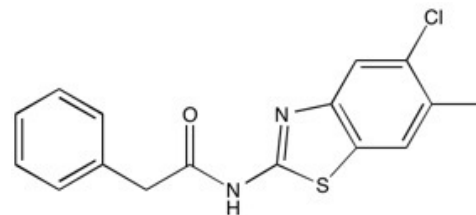
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 20 mg/ml) or in Ethanol (up to 5 mg/ml with warming).

Storage: RT

Stability: ≥ 1 year.



Applications

Casein kinase 1d inhibitor

Functions

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.

Application Procedures

First dissolved in DMSO (up to 20 mg/ml) or in Ethanol (up to 5 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

For research use only.