

Ac-Leu-Leu-Nle-CHO (ALLN), Calpain inhibitor

Catalog	Unit
TBI3024-5MG	5 mg
TBI3024-25MG	25 mg

Product Details

Formal Name: Ac-Leu-Leu-Nle-CHO

Alternate Names: Ac-LL-norleucinal

Molecular Formula: C₂₀H₃₇N₃O₄

Formula Weight: 383.53

CAS Number: 110044-82-1

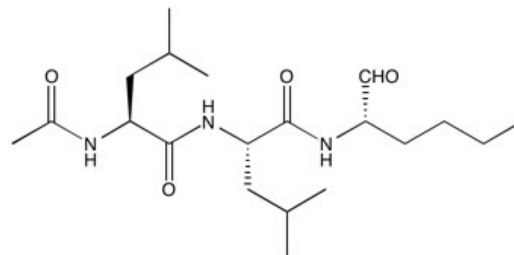
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 10 mg/ml) or in Ethanol (up to 5 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

Calpain inhibitor

Functions

Cell-permeable, peptide aldehyde inhibitor of calpain I (K_i=190 nM), calpain II (K_i=150 nM), cathepsin L (K_i=0.5 nM) and other neutral cysteine proteases. Inhibits cell cycle progression at G1/S and metaphase/anaphase in CHO cells by inhibiting cyclin B degradation. Inhibits proteolytic degradation of IκBα and IκBβ in RAW macrophages induced with LPS. Blocks AIF-mediated necroptosis. Cell permeable.

Application Procedures

First dissolved in DMSO (up to 10 mg/ml) or in Ethanol (up to 5 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

For research use only.