

Ac-Leu-Leu-Methional (ALLM), Calpain inhibitor

Catalog	Unit
TBI1349-5MG	5 mg
TBI1349-25MG	25 mg

Product Details

Formal Name: N-Acetyl-Leu-Leu-Methional

Alternate Names: Ac-LLM-CHO; Calpain inhibitor II

Molecular Formula: C₁₉H₃₅N₃O₄S

Formula Weight: 401.56

CAS Number: 136632-32-1

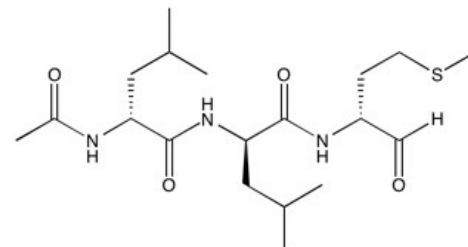
Purity: >98%

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 (calpain I, K_i = 120 nM, calpain II, K_i = 230 nM) and other neutral cysteine proteases. Potent inhibitor of cathepsin L (K_i=0.6 nM) and cathepsin B (K_i=100 nM). Weak inhibitor of the chymotrypsin-like activity of the proteasome. 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.