Calpeptin

Calpain and cathepsin inhibitor

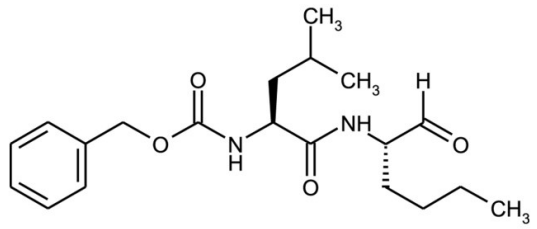
Membrane permeable inhibitor of calpain I and II, cathepsin L and cathepsin K (IC_{50}=0.11 nM). Promotes neurite elongation in differentiating PC12 cells. Prevents Ca^{2+}-ionophore induced degradation of actin binding protein and P235 in platelets. Inhibits myosin light chain phosphorylation in platelets stimulated by collagen, ionomycin (Prod. No. ALX-450-006) or thrombin. Inhibits LPS induced iNOS transcription and NF-κB activation, possibly via proteasome inhibition.

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Ordering Information Order Online »

BML-PI101-0010	10mg
BML-PI101-0050	50mg

Manuals, SDS & CofA View Online »


CH3
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Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stable for up to 1 year when stored at -20°C. Stock solutions are stable for up to 3 months at -20°C.
Handling	Protect from light and moisture. Packaged under inert gas. After reconstitution, prepare aliquots and store at -20°C.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Z-Leu-norleucinal, N-Benzyloxycarbonyl-L-leucyl-norleucinal
Appearance	White to off-white powder.
CAS	117591-20-5
Couple Target	Calpain, Cathepsin, Proteasome
Couple Type	Inhibitor
Formula	$C_{20}H_{30}N_2O_4$
MW	362.5
Purity	≥98% (HPLC)
Solubility	Soluble in DMSO (25mg/ml), 100% ethanol (25mg/ml or dimethyl formamide (5mg/ml).
Technical Info / Product Notes	Concentrations for intact cells: 30μM (platelets), 10μM (myoblast cells) Note: Product is not sterile.

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