

**Calpeptin - CAS 117591-20-5 - Calbiochem A cell-permeable calpain inhibitor (ID?? = 52 nM for calpain-1, ID?? = 34 nM for calpain-2, ID?? = 138 nM for papain).**

Art. ID SAF-03-34-0051-25MG  
Unit 1 x 25 mg  
Deliverydetails No Dangerous Good /not restricted

Description

A cell-permeable calpain inhibitor. Inactivates calpain I (ID50 = 52 nM), calpain II (ID50 = 34 nM), and papain (ID50 = 138 nM). Promotes neurite elongation in differentiating PC12 cells. Prevents Ca<sup>2+</sup>-ionophore induced degradation of actin binding protein and P235 in platelets. Inhibits myosin light chain phosphorylation in platelets stimulated by collagen, ionomycin, or thrombin. Inhibits the growth of estrogen receptor positive breast cancer cells., A cell-permeable calpain inhibitor (ID50 = 52 nM for calpain-1, ID50 = 34 nM for calpain-2, ID50 = 138 nM for papain). Inhibits the Ca<sup>2+</sup>-stimulated cleavage of p35 to p25 by calpain. Modulates the processing of beta-amyloid precursor protein to beta-amyloid (Aβ). Promotes neurite elongation in differentiating PC12 cells. Prevents Ca<sup>2+</sup>-ionophore-induced degradation of actin binding protein and P235 in platelets. Inhibits myosin light chain phosphorylation in platelets stimulated by collagen, ionomycin, or thrombin. Inhibits the growth of estrogen receptor positive breast cancer cells.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	Calpeptin	[117591-20-5]				