Calpeptin, cell-permeable calpain inhibitor ab120804

4 References

Overview

Product name
Calpeptin, cell-permeable calpain inhibitor

Description
Potent, cell-permeable calpain inhibitor

Biological description
Potent, cell-permeable calpain inhibitor, a Ca$^{2+}$-dependent protease. $K_i$ values are 34 and 52 nM for μ- and m-calpains, respectively. Demonstrates neuroprotective effects suggesting ability to cross the blood-brain barrier.

Purity
> 98%

CAS Number
117591-20-5

Chemical structure

![Chemical structure of Calpeptin](image)

Properties

Molecular weight
362.47

Molecular formula
C$_{20}$H$_{30}$N$_2$O$_4$

Sequence
LX (Modifications: N-terminal benzyloxycarbonyl; X-2 = Nle)

Storage instructions
Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.

Solubility overview
Soluble in ethanol to 100 mM and in DMSO to 100mM

Handling
Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one week. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions (FAQ) page](https://www.abcam.com) for more details.

Source
Synthetic

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