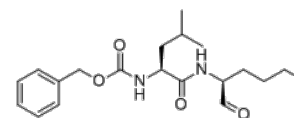


**Product Name** : Calpeptin  
**Cat. No.** : PC-73381  
**CAS No.** : 117591-20-5  
**Molecular Formula** : C<sub>20</sub>H<sub>30</sub>N<sub>2</sub>O<sub>4</sub>  
**Molecular Weight** : 362.46  
**Target** : Cathepsin  
**Solubility** : 10 mM in DMSO



## Biological Activity

Calpeptin is a potent, cell penetrating **calpain** inhibitor with ID50 of 40 nM for Calpain I in human platelets, also inhibits cathepsin K and is a potent and specific inhibitor of SARS-CoV-2 entry and some variants.

## References

Tsujinaka T, et al. Biochem Biophys Res Commun. 1988 Jun 30;153(3):1201-8.

Catalano JG, et al. Bioorg Med Chem Lett. 2004 Feb 9;14(3):719-22.

Sonia Mediouni, et al. SLAS Discov. 2022 Jan;27(1):8-19.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

E-mail: tech@probechem.com