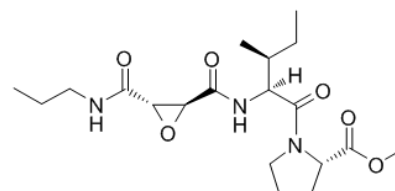


Product Name : CA-074 methyl ester
Cat. No. : PC-42108
CAS No. : 147859-80-1
Molecular Formula : C₁₉H₃₁N₃O₆
Molecular Weight : 397.4659
Target : Cathepsin
Solubility : H₂O: 26.66 mg/mL (Need warming)



Biological Activity

CA-074 methyl ester is a potent, specific and cell-permeable inhibitor of **cathepsin B** with K_i of 2-5 nM. CA-074 methyl ester displays 10,000-30,000 times greater inhibitory activity than cathepsin H and L. CA-074 methyl ester improves memory and reduces beta-amyloid in transgenic Alzheimer disease mice.

References

- Towatari T, et al. *FEBS Lett.* 1991 Mar 25;280(2):311-5.
Hook VY, et al. *J Biol Chem.* 2008 Mar 21;283(12):7745-53.
Montaser M, et al. *Biol Chem.* 2002 Jul-Aug;383(7-8):1305-8.

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

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