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## Product Datasheet

### Z-Phe-Tyr-CHO, CAS [[167498-29-5]]

**FBM-10-3079**

Article Name	Z-Phe-Tyr-CHO, CAS [[167498-29-5]]
Biozol Catalog Number	FBM-10-3079
Supplier Catalog Number	10-3079
Alternative Catalog Number	FBM-10-3079-1MG, FBM-10-3079-5MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Cathepsin L inhibitor...
Molecular Weight	446.50
Purity	98% by TLC, NMR (Conforms)
Form	Off-white to pale yellow solid
CAS Number	[167498-29-5]
Formula	C26H26N2O5
Application Notes	A potent and selective inhibitor of cathepsin L, IC50=0.85 nM 1 selective over cathepsin B and calpain II (IC50s=85.1 and 184 nM respectively). Suppresses osteoclastic pit formation at 1.5 nM and markedly inhibited parathyroid hormone-stimulated osteoclastic bone resorption.2 Also inhibits cathepsin K (Kis=0.052 and 1.57 nM for cat L and cat K respectively) and partially provides the basis for the finding that cathepsin K is the protease responsible for osteoclastic bone resorption.3 Provides partial protection against serum and potassium deprivation-induced neuronal death.4 Active in vivo.2