

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

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 (K_is=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