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Product Datasheet

MDL-28170, CAS [[88191-84-8]]

FBM-10-3005

Article Name	MDL-28170, CAS [[88191-84-8]]
Biozol Catalog Number	FBM-10-3005
Supplier Catalog Number	10-3005
Alternative Catalog Number	FBM-10-3005-5MG, FBM-10-3005-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Calpain inhibitor...
Molecular Weight	382.45
Purity	98% by HPLC NMR (Conforms)
Form	White solid
CAS Number	[88191-84-8]
Formula	C22H26N2O4
Application Notes	A potent and selective cell permeable calpain inhibitor. Inhibits oxidative damage-induced apoptosis in PC12 cells and capsaicin-induced apoptosis in dorsal root ganglion neurons. ¹ It penetrates the blood-brain barrier and inhibits brain cysteine protease activity after systemic administration, ameliorating brain damage in a gerbil model of global ischemia. ² Displays neuroprotective effects in neurotrauma rodent models. ³ Calpain I $K_i = 8$ nM, Cathepsin B $K_i = 24$ nM in isolated enzyme assays. $IC_{50} = 0.3$ μ M in intact cell assay. ⁴