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Product Datasheet

Ceapin-A7, CAS [[2323027-38-7]]

FBM-10-3974

Article Name	Ceapin-A7, CAS [[2323027-38-7]]
Biozol Catalog Number	FBM-10-3974
Supplier Catalog Number	10-3974
Alternative Catalog Number	FBM-10-3974-10MG, FBM-10-3974-50MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	ATF6a/UPR inhibitor...
Molecular Weight	470.33
Purity	98% by HPLC , NMR (Conforms)
Form	White solid
CAS Number	[2323027-38-7]
Formula	C20H12F6N4O3
Application Notes	Selective inhibitor (IC50 = 590 nM) of transcription factor ATF6alpha, one of the three branches of the unfolded protein response. ¹ It inhibits activation of ATF6alpha in response to ER stress without inhibiting ER-bound transcription factors ATF6 β or SREBP or the IRE1 or PERK branches of the UPR. Ceapin-A7 also show no toxicity to unstressed cells. It induces neomorphic association of the ER and peroxisomes by directly tethering the cytosolic domain of ATF6a to the peroxisomal transporter ABCD3 without inhibiting its transporter activity. ² See companion activator 10-3973.