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Product Datasheet

AR7, CAS [[80306-38-3]] FBM-10-5515

Article Name	AR7, CAS [[80306-38-3]]
Biozol Catalog Number	FBM-10-5515
Supplier Catalog Number	10-5515
Alternative Catalog Number	FBM-10-5515-5MG, FBM-10-5515-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Activates chaperone mediated autophagy...
Molecular Weight	257.72
Purity	98% by TLC NMR (Conforms)
Form	Pale pink solid
CAS Number	[80306-38-3]
Formula	C15H12ClNO
Application Notes	Atypical retinoid which acts as an RARalpha antagonist and activates chaperone-mediated autophagy (CMA) via an RAR-dependent pathway. ¹ Downstream signaling results in an increase of LAMP-2A expression. ¹ Cells pretreated with AR7 had markedly improved viability in a paraquat-induced oxidative stress model. ¹ AR7 stimulated CMA and attenuated accumulation of SNCA oligomers in prolonged cultures of mutant cortical neurons ² indicating that CMA activation may be a viable disease modifying strategy in Parkinsons disease ³ . A targetome analysis of AR7-induced CMA in cancer cells has been performed. ⁴