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Product Datasheet

Tubastatin A HCl, CAS [[1310693-92-5]] FBM-10-4530

Article Name	Tubastatin A HCl, CAS [[1310693-92-5]]
Biozol Catalog Number	FBM-10-4530
Supplier Catalog Number	10-4530
Alternative Catalog Number	FBM-10-4530-5MG,FBM-10-4530-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	HDAC-6 inhibitor...
Molecular Weight	371.86
Purity	99% by HPLC, NMR (Conforms)
Form	solid
CAS Number	[1310693-92-5]
Formula	C20H22N3O2 HCl
Application Notes	Tubastatin A is a potent and highly selective inhibitor of HDAC6 (IC50 = 15 nM, >1000-fold selectivity against other HDAC isoforms, approx. 60-fold versus HDAC8). ¹ It displayed anti-inflammatory and anti-rheumatic effects in Freund's competitive adjuvant induced animal model of inflammation. ² Tubastatin A inhibited TNF-alpha (IC50 = 272 nM) and IL-6 (IC50 = 712 nM) in LPS stimulated human THP-1 macrophages. ² Tubastatin A has also been shown to have therapeutic potential for treatment of Alzheimer's disease via altered amyloid-beta load and reduced tau hyperphosphorylation. ^{3,4,5}