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Product Datasheet

Blebbistatin, CAS [[674289-55-5]] **FBM-10-2832**

Article Name	Blebbistatin, CAS [[674289-55-5]]
Biozol Catalog Number	FBM-10-2832
Supplier Catalog Number	10-2832
Alternative Catalog Number	FBM-10-2832-5MG, FBM-10-2832-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Non-muscle myosin II inhibitor...
Molecular Weight	292.34
Purity	>98% by TLC NMR (Conforms)
Form	Yellow solid
CAS Number	[674289-55-5]
Formula	C ₁₈ H ₁₆ N ₂ O ₂
Application Notes	Blebbistatin is a potent, selective, reversible, cell-permeable inhibitor of non-muscle myosin II (IC ₅₀ ~4 mM). ^{1,2} During cell division it inhibits contraction of the cleavage furrow without disrupting mitosis. ¹ Blocks cell blebbing (hence its name) and rapidly disrupts directed cell migration and cytokinesis in many cell types. ¹ It promotes neurite outgrowth ³ and is neuroprotective against vincristine-induced neurotoxicity in iPSC-derived neurons ⁴ .