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Product Datasheet

WNK463, CAS [[2012607-27-9]] FBM-10-4109

Article Name	WNK463, CAS [[2012607-27-9]]
Biozol Catalog Number	FBM-10-4109
Supplier Catalog Number	10-4109
Alternative Catalog Number	FBM-10-4109-5MG, FBM-10-4109-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	WNK kinase inhibitor...
Molecular Weight	463.47
Purity	>98% by HPLC NMR (Conforms)
Form	White solid
CAS Number	[2012607-27-9]
Formula	C21H24F3N7O2
Application Notes	Potent and selective pan-With-No-Lysine (WNK) kinase inhibitor (IC50s: WNK1 = 5 nM, WNK2 = 1 nM, WNK3 = 6 nM, WNK4 = 9 nM), an important enzyme in blood pressure regulation and body fluid and electrolyte homeostasis.¹ WNK kinases respond to hypertonicity by regulating SLC12 cation chloride transporters to rescue cell volume.² WNK463 reduced migration of invasive types of breast cancer and attenuated tumor growth and metastatic burden in a mouse model.³ It induced a significant increase in NLRP3 inflammasome activation and pyroptosis specifically via WNK1 inhibition as well as increasing TNF production without inflammasome activation.⁴