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Product Datasheet

WNK463, CAS [[2012607-27-9]]

FBM-10-4109

Artikelname	WNK463, CAS [[2012607-27-9]]
Artikelnummer	FBM-10-4109
Hersteller Artikelnummer	10-4109
Alternativnummer	FBM-10-4109-5MG,FBM-10-4109-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	WNK kinase inhibitor...
Molekulargewicht	463.47
Reinheit	>98% by HPLC NMR (Conforms)
Formulierung	White solid
CAS Nummer	[2012607-27-9]
Formel	C21H24F3N7O2
Anwendungsbeschreibung	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