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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	C <sub>21</sub> H <sub>24</sub> F <sub>3</sub> N <sub>7</sub> O <sub>2</sub>
Anwendungsbeschreibung	<p>Potent and selective pan-With-No-Lysine (WNK) kinase inhibitor (IC<sub>50</sub>s: 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.<sup>1</sup> WNK kinases respond to hypertonicity by regulating SLC12 cation chloride transporters to rescue cell volume.<sup>2</sup> WNK463 reduced migration of invasive types of breast cancer and attenuated tumor growth and metastatic burden in a mouse model.<sup>3</sup> It induced a significant increase in NLRP3 inflammasome activation and pyroptosis specifically via WNK1 inhibition as well as increasing TNF production without inflammasome activation.<sup>4</sup></p>