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Product Datasheet

ZT-1a, CAS [[212135-62-1]]

FBM-10-4402

Artikelname	ZT-1a, CAS [[212135-62-1]]
Artikelnummer	FBM-10-4402
Hersteller Artikelnummer	10-4402
Alternativnummer	FBM-10-4402-5MG,FBM-10-4402-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	SPAK kinase inhibitor...
Molekulargewicht	445.72
Reinheit	>98% by HPLC NMR (Conforms)
Formulierung	Off-white solid
CAS Nummer	[212135-62-1]
Formel	C22H15Cl3N2O2
Anwendungsbeschreibung	ZT-1a is a non-ATP competitive inhibitor (IC₅₀ = 44.3 μM 0.01 mM ATP) of SPAK kinase (STK39), a master regulator of cation-Cl-cotransporters.¹ It attenuated cerebral edema, protected against ischemic brain damage, and improved post-ischemic neurological outcomes in mouse models of stroke.^{1,2} ZT-1a showed neuroprotective effects in mouse models of vascular dementia³ and multiple sclerosis⁴. It inhibited the progression of hepatocellular carcinoma in rodent models and showed synergistic effects with PD-1 antibodies by helping to prevent tumor microenvironment immune exhaustion.⁵