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Product Datasheet

KIRA6, CAS [[1589527-65-0]] FBM-10-4886

Artikelname	KIRA6, CAS [[1589527-65-0]]
Artikelnummer	FBM-10-4886
Hersteller Artikelnummer	10-4886
Alternativnummer	FBM-10-4886-5MG,FBM-10-4886-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	IRE1alpha inhibitor...
Molekulargewicht	518.54
Reinheit	>98% by HPLC NMR (Conforms)
Formulierung	White solid
CAS Nummer	[1589527-65-0]
Formel	C28H25F3N6O

Anwendungsbeschreibung

KIRA6 is an allosteric inhibitor of the endoplasmic reticulum protein IRE1alpha.¹ It inhibits IRE1alpha kinase activity (IC₅₀ = 0.60 μM), XBP1 RNA cleavage, Ins2 RNA cleavage, and oligomerization. KIRA6 prevented cell death during ER stress/UPR in vivo. It reduced stress-induced inflammation caused by immunogenic cell death via targeting of HSP60.² KIRA6 abolished neuroinflammation and neuronal cell death caused by PAD4 overexpression in traumatic brain injury.³ It also was shown to block leukotriene biosynthesis in human phagocytes⁴ and inhibit mast cells⁵. KIRA6 blocked the induction of myeloid-derived suppressor cells and overcame resistance to anti-PD-1 therapy in 4T1 tumor cells.⁶