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## Product Datasheet

**KIRA6, CAS [[1589527-65-0]]**

**FBM-10-4886**

Article Name	KIRA6, CAS [[1589527-65-0]]
Biozol Catalog Number	FBM-10-4886
Supplier Catalog Number	10-4886
Alternative Catalog Number	FBM-10-4886-5MG, FBM-10-4886-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	IRE1alpha inhibitor...
Molecular Weight	518.54
Purity	>98% by HPLC NMR (Conforms)
Form	White solid
CAS Number	[1589527-65-0]
Formula	C28H25F3N6O
Application Notes	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