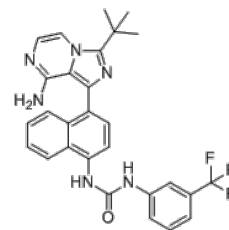


Product Name : KIRA6
Cat. No. : PC-47079
CAS No. : 1589527-65-0
Molecular Formula : C₂₈H₂₅F₃N₆O
Molecular Weight : 518.5
Target : IRE1
Solubility : 10 mM in DMSO



Biological Activity

KIRA6 is a potent, ATP-competitive type II **IRE1α kinase** inhibitor, allosterically inhibits IRE1α RNase kinase activity with IC₅₀ of 0.6 μM and prevents oligomerization.

KIRA6 inhibits IRE1α in vivo and to promote cell survival under ER stress, preserve photoreceptor functional viability in rat models of ER stress-induced retinal degeneration.

References

Ghosh R, et al. **Cell**. 2014 Jul 31;158(3):534-48.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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