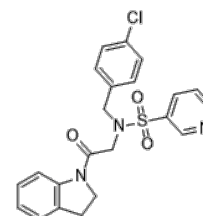


Product Name : IXA6
Cat. No. : PC-23414
CAS No. : 1021106-40-0
Molecular Formula : C₂₂H₂₀ClN₃O₃S
Molecular Weight : 441.93
Target : IRE1
Solubility : 10 mM in DMSO



CAS: 1021106-40-0

Biological Activity

IXA6 is a specific activator of IRE1/XBP1s signalling activator, promotes IRE1-dependent XBP1 splicing, selective activates the IRE1/XBP1s signaling.

IXA6 moderately increased IRE1-dependent Xbp1 splicing in wild-type mouse embryonic fibroblast (MEF) cells, but not in Ire1-deficient MEF cells.

IXA6 does not significantly activate ATF6 transcriptional signaling and PERK geneset.

IXA6 improves ER proteostasis of destabilized variants of amyloid precursor protein (APP) through an IRE1-dependent mechanism and reduces APP-associated mitochondrial toxicity in cellular models.

References

Grandjean JMD, et al. Nat Chem Biol. 2020 Oct;16(10):1052-1061.

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

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