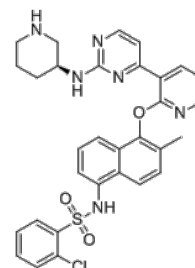


Product Name : KIRA-8
Cat. No. : PC-36004
CAS No. : 1630086-20-2
Molecular Formula : C₃₁H₂₉ClN₆O₃S
Molecular Weight : 601.122
Target : IRE1
Solubility : 10 mM in DMSO



Biological Activity

KIRA-8 (AMG-18) is a highly potent, monoselective **IRE1 α** kinase inhibitor with IC₅₀ of 5.9 nM. KIRA-8 demonstrates higher potency than KIRA7 in inhibiting XBP1 splicing in the alveolar epithelial cell line MLE12, attenuates bleomycin-induced increases in lung weight and hydroxyproline, and decreases mRNA expression of collagen 1A1 and fibronectin in murine model of pulmonary fibrosis.

References

- Thamsen M, et al. *PLoS One*. 2019 Jan 9;14(1):e0209824.
Morita S, et al. *Cell Metab*. 2017 Apr 4;25(4):883-897.e8.

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

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