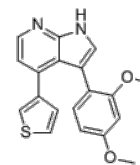


Product Name : ARN-3236
Cat. No. : PC-61766
CAS No. : 1613710-01-2
Molecular Formula : C₁₉H₁₆N₂O₂S
Molecular Weight : 336.409
Target : Salt Inducible Kinase (SIK)
Solubility : 10 mM in DMSO



Biological Activity

ARN-3236 (ARN3236) is a novel potent, selective, and orally active **SIK2** inhibitor with IC₅₀ of <1 nM.

ARN-3236 does not significantly inhibit SIK1 and SIK3, as well as other AMPK family members.

ARN-3236 inhibits the growth of 10 ovarian cancer cell lines with IC₅₀ of 0.8-2.6 μM.

ARN-3236 increases centrosome uncoupling from nucleus, and inhibits centrosome splitting in mitotic cells.

ARN-3236 induces cell cycle arrest, apoptosis and tetraploidy, also inhibits AKT phosphorylation and attenuates survivin expression.

ARN-3236 sensitizes ovarian cancer to paclitaxel in SKOv3ip xenograft model.

References

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Bon H, et al. *Mol Cancer Res.* 2015 Apr;13(4):620-635.

Lombardi MS, et al. *J Leukoc Biol.* 2016 May;99(5):711-21.

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

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