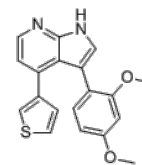


**Product Name** : ARN-3236  
**Cat. No.** : PC-61766  
**CAS No.** : 1613710-01-2  
**Molecular Formula** : C<sub>19</sub>H<sub>16</sub>N<sub>2</sub>O<sub>2</sub>S  
**Molecular Weight** : 336.409  
**Target** : Salt Inducible Kinase (SIK)  
**Solubility** : 10 mM in DMSO



### Biological Activity

ARN-3236 (ARN3236) is a novel potent, selective, and orally active **SIK2** inhibitor with IC<sub>50</sub> 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 IC<sub>50</sub> 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

Zhou J, et al. *Clin Cancer Res.* 2017 Apr 15;23(8):1945-1954.

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!**

E-mail: tech@probechem.com