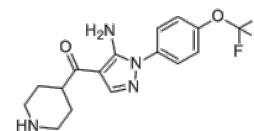


**Product Name** : ARN1468  
**Cat. No.** : PC-49096  
**CAS No.** : 1381459-14-8  
**Molecular Formula** : C<sub>16</sub>H<sub>17</sub>F<sub>3</sub>N<sub>4</sub>O<sub>2</sub>  
**Molecular Weight** : 354.333  
**Target** : Prion  
**Solubility** : 10 mM in DMSO



## Biological Activity

ARN1468 is an anti-prion, cellular active small molecule targeting **SERPINA3** (ITC KD=26 uM), decreases **prion** accumulation and reduces PrPSc in the ScGT1 RML cell line with EC<sub>50</sub> of 8.64 uM.

ARN1468 exhibits anti-prion effect in ScGT1 22L, ScN2a RML, and ScN2a 22L cell lines, reduces PrPSc levels by 35% on average, reduces prion levels by almost 85% in ScN2a cells infected with 22L prion.

Anti-prion activity of ARN1468 does not affect PrP metabolism, localization, or aggregation propensity.

ARN1468 and quinacrine act synergically to clear prions in ScN2a RML cells.

## References

Colini Baldeschi A, et al. *J Med Chem.* 2022 Jun 30. doi: 10.1021/acs.jmedchem.2c00205.

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

E-mail: tech@probechem.com