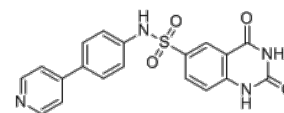


**Product Name** : ARN19874  
**Cat. No.** : PC-35258  
**CAS No.** : 2190502-57-7  
**Molecular Formula** : C<sub>19</sub>H<sub>14</sub>N<sub>4</sub>O<sub>4</sub>S  
**Molecular Weight** : 394.405  
**Target** : Phospholipase  
**Solubility** : 10 mM in DMSO



## Biological Activity

ARN19874 (ARN-19874) is the first selective, cell-active inhibitor of N-acylphosphatidylethanolamine phospholipase D (**NAPE-PLD**) with IC<sub>50</sub> of 33.7 uM.

ARN19874 displays no inhibitory effect on carbonic anhydrase (CA) II, neutral endopeptidase and angiotensin-converting enzyme (ACE) at 50 uM.

ARN19874 is significantly less potent on the Q320A mutant.

ARN19874 causes a substantial accumulation of non-metabolized NAPE species iuman HEK-293 cells at 50 uM.

## References

Castellani B, et al. *Chem Commun (Camb)*. 2017 Nov 28;53(95):12814-12817.

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

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