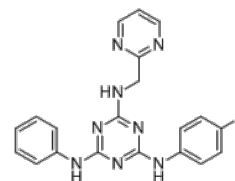


**Product Name** : ASP2905  
**Cat. No.** : PC-60984  
**CAS No.** : 792184-90-8  
**Molecular Formula** : C<sub>20</sub>H<sub>17</sub>FN<sub>8</sub>  
**Molecular Weight** : 388.41  
**Target** : Potassium Channel  
**Solubility** : 10 mM in DMSO



### Biological Activity

ASP2905 (ASP 2905) is a novel potent, selective, orally bioavailable inhibitor of voltage-gated potassium channel **KCNH3** with IC<sub>50</sub> of 9.0 nM.

ASP2905 displays minimally bound with low affinities to 55 transmembrane proteins.

ASP2905 decreases the frequency of spontaneous inhibitory postsynaptic currents in cultured rat hippocampal neurons at 0.1-1 uM.

ASP2905 reverses the disruption of spontaneous alternation behavior induced by MK-801 and scopolamine in mice, and ameliorates the cognitive deficits of aged rats.

### References

Takahashi S, et al. *Eur J Pharmacol.* 2017 Sep 5;810:26-35.

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

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