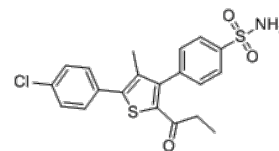


**Product Name** :  $\alpha 7$ nAChR PAM 28  
**Cat. No.** : PC-38317  
**CAS No.** : 1394371-75-5  
**Molecular Formula** :  $C_{20}H_{18}ClNO_3S_2$   
**Molecular Weight** : 419.938  
**Target** : nAChR  
**Solubility** : 10 mM in DMSO



### Biological Activity

$\alpha 7$ nAChR PAM 28 is a novel potent, brain-permeable, orally efficacious positive allosteric modulator of  $\alpha 7$  nicotinic acetylcholine receptor ( **$\alpha 7$  nAChR**) with EC<sub>50</sub> of 0.32  $\mu$ M.

$\alpha 7$  nAChR PAM 28 robustly reversed the cognitive deficits in episodic/working memory in both time-delay and scopolamine-induced amnesia paradigms in the novel object and social recognition tasks, at very low dose levels.

### References

Neelima Sinha, et al. *J Med Chem.* 2020 Feb 13;63(3):944-960.

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

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