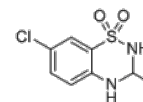


**Product Name** : IDRA-21  
**Cat. No.** : PC-61721  
**CAS No.** : 22503-72-6  
**Molecular Formula** : C<sub>8</sub>H<sub>9</sub>ClN<sub>2</sub>O<sub>2</sub>S  
**Molecular Weight** : 232.687  
**Target** : iGluR  
**Solubility** : 10 mM in DMSO



## Biological Activity

IDRA-21 is a positive allosteric modulator of the AMPA receptor (**AMPA**).  
IDRA-21 demonstrates nootropic effects in animal studies, significantly improving learning and memory.  
IDRA-21 is 10-30 times more potent than Aniracetam in reversing cognitive deficits induced by alprazolam or scopolamine.

## References

- Zivkovic I, et al. J Pharmacol Exp Ther. 1995 Jan;272(1):300-9.  
Thompson DM, et al. Proc Natl Acad Sci U S A. 1995 Aug 15;92(17):7667-71.  
Impagnatiello F, et al. Proc Natl Acad Sci U S A. 1997 Jun 24;94(13):7053-8.

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

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