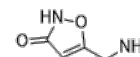


**Product Name** : Muscimol  
**Cat. No.** : PC-23986  
**CAS No.** : 2763-96-4  
**Molecular Formula** : C<sub>4</sub>H<sub>6</sub>N<sub>2</sub>O<sub>2</sub>  
**Molecular Weight** : 114.10  
**Target** : GABA Receptor  
**Solubility** : 10 mM in DMSO



## Biological Activity

Muscimol (Agarin) is a psychoactive isoxazole and selective neurotransmitter GABA agonist, binds GABAA on both high- and low-affinity sites (K<sub>d</sub>=10 and 270 nM, respectively), stimulating chloride efflux with EC<sub>50</sub> of 200 nM, also is a small molecule inhibitor of ninjurin-1 (NINJ1) oligomerization and NINJ1 mediated membrane rupture.

## References

S M Dunn, et al. 1994 Jan 25;33(3):755-63.

den Hartog AB, et al. Commun Biol. 2023 Oct 5;6(1):1010.

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

E-mail: tech@probechem.com