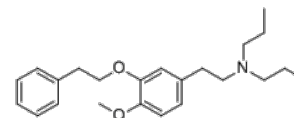


**Product Name** : NE-100  
**Cat. No.** : PC-60288  
**CAS No.** : 149860-29-7  
**Molecular Formula** : C<sub>23</sub>H<sub>33</sub>NO<sub>2</sub>  
**Molecular Weight** : 355.51  
**Target** : Sigma Receptor  
**Solubility** : 10 mM in DMSO



## Biological Activity

NE-100 is a potent, selective, and orally active **sigma-1** receptor antagonist with K<sub>i</sub> of 1.03 nM. NE-100 displays 205-fold selectivity over sigma-2, 1,000-fold selectivity over D1, D2, PCP, α1, 5-HT1A and 5-HT2 receptors. NE-100 shows antipsychotic activity in vivo.

## References

- Nakazato A, et al. *J Med Chem*. 1999 Mar 25;42(6):1076-87.  
Berardi F, et al. *Bioorg Med Chem*. 2001 May;9(5):1325-35.  
Ogawa S, et al. *Eur J Pharmacol*. 1994 Sep 22;263(1-2):9-15.

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

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