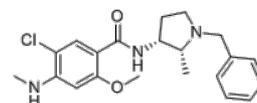


**Product Name** : Nemonapride  
**Cat. No.** : PC-21487  
**CAS No.** : 75272-39-8  
**Molecular Formula** : C<sub>21</sub>H<sub>26</sub>ClN<sub>3</sub>O<sub>2</sub>  
**Molecular Weight** : 387.91  
**Target** : Dopamine Receptor  
**Solubility** : 10 mM in DMSO



## Biological Activity

Nemonapride (YM-09151-2) is a highly potent, selective **dopamine D2 receptor** (D2R) antagonist with K<sub>i</sub> of 0.06 nM, also activates **5-HT1A** receptor with IC<sub>50</sub> of 34 nM, shows antipsychotic effect.

## References

Grewe CW, et al. *Eur J Pharmacol.* 1982 Jun 16;81(1):149-52.

Usuda S, et al. *Psychopharmacology (Berl).* 1981;73(2):103-9.

Iwanami S, et al. *J Med Chem.* 1981 Oct;24(10):1224-30.

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

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