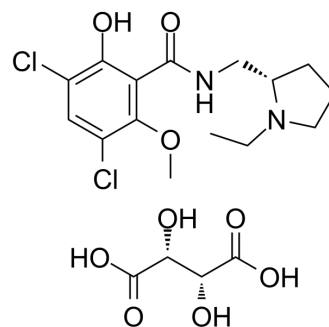


## Raclopride tartrate

Cat. No.:	HY-108976
CAS No.:	98185-20-7
Molecular Formula:	C <sub>19</sub> H <sub>26</sub> Cl <sub>2</sub> N <sub>2</sub> O <sub>9</sub>
Molecular Weight:	497.32
Target:	Dopamine Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Raclopride tartrate is a selective dopamine D <sub>2</sub> /D <sub>3</sub> receptor antagonist with potential antipsychotic effects. Raclopride tartrate binds to D <sub>2</sub> and D <sub>3</sub> receptors with K <sub>i</sub> s of 1.8 nM and 3.5 nM, respectively <sup>[1][2]</sup> .			
<b>IC<sub>50</sub> &amp; Target</b>	D <sub>2</sub> Receptor 1.8 nM (K <sub>i</sub> )	D <sub>3</sub> Receptor 3.5 nM (K <sub>i</sub> )	D <sub>4</sub> Receptor 2400 nM (K <sub>i</sub> )	D <sub>1</sub> Receptor 18000 nM (K <sub>i</sub> )
<b>In Vivo</b>	Raclopride tartrate (0.1, 0.3, or 0.6 mg/kg; IP; 30 min; albino male mice of the OF1 strain) significantly reduces time allocated to attack behavior <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.			

### REFERENCES

[1]. Seeman P, et al. Dopamine receptor pharmacology. Trends Pharmacol Sci. 1994;15(7):264-270.

[2]. Aguilar MA, et al. Behavioral profile of raclopride in agonistic encounters between male mice. Pharmacol Biochem Behav. 1994;47(3):753-756.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA