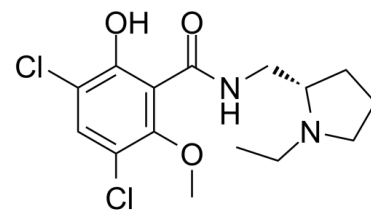


Data Sheet

Product Name:	Raclopride
Cat. No.:	CS-0027846
CAS No.:	84225-95-6
Molecular Formula:	C ₁₅ H ₂₀ Cl ₂ N ₂ O ₃
Molecular Weight:	347.24
Target:	Dopamine Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Solubility:	DMSO : 100 mg/mL (287.99 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

Raclopride is a **dopamine D₂/D₃ receptor** antagonist, which binds to **D₂** and **D₃ receptors** with dissociation constants (K_i s) of 1.8 nM and 3.5 nM, respectively, but has a very low affinity for D₁ and D₄ receptors with K_i s of 18000 nM and 2400 nM, respectively^[1]. IC₅₀ & Target: K_i : 1.8 nM (D₂ receptor), 3.5 nM (D₃ receptor), 2400 nM (D₄ receptor), 18000 nM (D₁ receptor)^[1]

References:

[1]. Seeman P, et al. Dopamine receptor pharmacology. Trends Pharmacol Sci. 1994 Jul;15(7):264-70.

CAIndexNames:

Benzamide, 3,5-dichloro-N-[[[(2S)-1-ethyl-2-pyrrolidinyl]methyl]-2-hydroxy-6-methoxy-

SMILES:

O=C(NC[C@H]1N(CC)CCC1)C2=C(OC)C(Cl)=CC(Cl)=C2O

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

Tel: 732-484-9848 Fax: 888-484-5008 E-mail: sales@ChemScene.com

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