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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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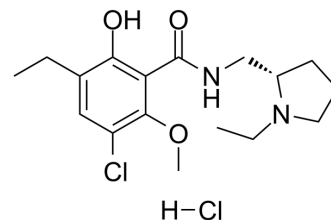
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Eticlopride hydrochloride

Cat. No.:	HY-103413
CAS No.:	97612-24-3
Molecular Formula:	C ₁₇ H ₂₆ Cl ₂ N ₂ O ₃
Molecular Weight:	377.31
Target:	Dopamine Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (265.03 mM; Need ultrasonic)					
	H ₂ O : 50 mg/mL (132.52 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		2.6503 mL	13.2517 mL	26.5034 mL
		5 mM		0.5301 mL	2.6503 mL	5.3007 mL
		10 mM		0.2650 mL	1.3252 mL	2.6503 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (6.63 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.63 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.63 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Eticlopride hydrochloride, a selective dopamine D ₂ -like receptor antagonist, exhibits high affinity for dopamine D ₂ , α ₁ -adrenergic, α ₂ -adrenergic, 5HT ₁ , 5HT ₂ receptors with K _i s of 0.09, 112, 699, 6220, and 830 nM, respectively. Antipsychotic agent ^[1] .
IC ₅₀ & Target	D ₂ Receptor 0.09 nM (K _i)

REFERENCES

[1]. Jennifer L Martelle, et al. A review of the discovery, pharmacological characterization, and behavioral effects of the dopamine D2-like receptor antagonist eticlopride. CNS Neurosci Ther. Fall 2008;14(3):248-62.

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

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