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DATASHEET

Eticlopride hydrochloride

Product overview

Name	Eticlopride hydrochloride
Cat No	HB1873
Alternative names	(-)-Eticlopride
Biological action	Antagonist
Purity	>99%
Description	D_2 receptor antagonist

Biological Data

Biological description	D_2 receptor antagonist which also shows some activity at D_3 and D_4 receptors (K_i values are 0.07, 0.16, 22.3 nM at D_2, D_3 and D_4 respectively). Shows antipsychotic effects. Active *in vivo*.

Solubility & Handling

Storage instructions	room temperature (desiccate)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	3-Chloro-5-ethyl-*N*-[[(2*S*)-1-ethyl-2-pyrrolidinyl)methyl]-6-hydroxy-2-methoxy-benzamid e hydrochloride
Molecular Weight	377.31
Chemical structure	
Molecular Formula	$C_{17}H_{25}ClN_2O_3$.HCl
CAS Number	97612-24-3
PubChem identifier	57266
SMILES	O=C(C2=C(OC)C(Cl)=CC(CC)=C2O)NC[C@@H]1CCCN1CC.Cl
InChiKey	HFJFXXDHVWLIKX-YDALLXLXSA-N

References

The D3 dopamine receptor: neurobiology and potential clinical relevance.

Levant B (1997) Pharmacol Rev 49(3)
PubMedID 9311022

The effects of eticlopride and the selective D3-antagonist PNU 99194-A on food- and cocaine-maintained responding in rhesus monkeys.

Claytor R *et al* (2006) Pharmacol Biochem Behav 83(3)
PubMedID 16631246

Involvement of dopamine receptors in the antipsychotic profile of (-) eticlopride.

Giuliani D *et al* (1997) Physiol Behav 61(4)
PubMedID 9108576

Morphogenic potentials of D2, D3, and D4 dopamine receptors revealed in transfected neuronal cell lines.

Swarzenski BC *et al* (1994) Proc Natl Acad Sci U S A 91(2)
PubMedID 7904756