Product Name: Remoxipride hydrochloride

CAS Number: 73220-03-8
IUPAC Name: (S)-(-)-3-Bromo-N-[1-ethyl-2-pyrrolidinylmethyl]2,6-dimethoxybenzamide hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

   - Batch Molecular Formula: C_{16}H_{23}BrN_{2}O_{3}.HCl.H_{2}O
   - Batch Molecular Weight: 425.75
   - Physical Appearance: White solid
   - Solubility: water to 100 mM
   - Storage: Store at RT
   - Batch Molecular Structure:

     ![Batch Molecular Structure Image]

2. ANALYTICAL DATA

   - TLC: R_f = 0.5 (Pyridine:Acetic acid:Water:Butanol [3:8:11:33])
   - Melting Point: Between 115 - 117°C
   - ^1H NMR: Consistent with structure
   - Microanalysis:
     
     | Carbon | Hydrogen | Nitrogen |
     |--------|----------|----------|
     | Theoretical | 45.14  | 6.16  | 6.58 | 0 | 0 | 0 |
     | Found    | 44.9    | 6.12  | 6.5  | 0 | 0 | 0 |

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

bio-techne.com info@bio-techne.com
techsupport@bio-techne.com

North America
Tel: (800) 343 7475

China
info.cn@bio-techne.com
Tel: +86 (21) 52380373

Europe Middle East Africa
Tel: +44 (0)1235 529449

Rest of World
www.tocris.com/distributors
Tel:+1 612 379 2956
**Product Information**

**Product Name:** Remoxipride hydrochloride  
**Catalog No.:** 0916  
**Batch No.:** 2

**CAS Number:** 73220-03-8  
**IUPAC Name:** \((S)-(\cdots)-3\text{-Bromo-}N\text{-[(1-ethyl-2-pyrrolidinyl)methyl]}2,6\text{-dimethoxybenzamide hydrochloride}\)

**Description:**
Dopamine D₂ receptor antagonist showing selectivity over D₃ and D₄ receptors (Kᵢ values are ~ 300, ~ 1600, and ~ 2800 nM for D₂, D₃ and D₄ receptors respectively). Exhibits antipsychotic activity in vivo with no extrapyramidal side effects. 50-fold more potent than sulpiride in antagonising the effects of apomorphine in the rat.

**Physical and Chemical Properties:**
Batch Molecular Formula: C₁₀H₁₂BrN₂O₅.HCl.H₂O  
Batch Molecular Weight: 425.75  
Physical Appearance: White solid

**Storage:** Store at RT

**Solubility & Usage Info:**
water to 100 mM

**Stability and Solubility Advice:**
Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath). Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

**References:**
Seeman and Van Tol (1994) Dopamine receptor pharmacology. TIPS 15 264. PMID: 7940991.