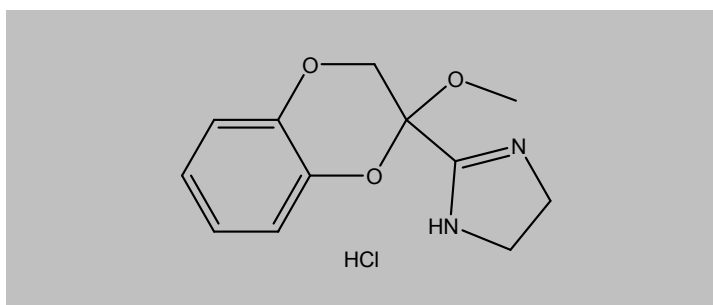


Certificate Of Analysis
Quality Control Testing and Research ApplicationCOA Preparation Date: 27/10/2014
COA Revision Date: 27/10/2017

Product: RX 821002 hydrochloride
Cat. No.: BN0451
Batch No.: 0451BN/01
Chemical Name: 2-(2,3-Dihydro-2-methoxy-1,4-benzodioxin-2-yl)-4,5-dihydro-1H-imidazole hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₂H₁₄N₂O₃ .HCl
Batch Molecular Weight: 270.71
CAS No.: [102575-24-6]
Physical Appearance: White solid
Melting Point: 260 - 261° C
Solubility: Soluble to 100 mM in water
Storage: RT
Batch Molecular Structure:



Product Description: Selective and potent α_2 adrenoceptor antagonist with very low affinity for imidazoline sites. Displays selectivity for the α_{2D} over α_{2A} receptors (K_D values are 0.2 and 6.3 nM respectively).

References: 1. O'Rourke et al. (1994) J Pharmacol Exp Ther 268:1362; 2. Erdbrugger et al. (1995) J Pharmacol Exp Ther 273:1287; 3. Trendelenburg et al. (1996) Naunyn-Schmiedeberg's Arch Pharmacol 353:245; 4. Clarke and Harris (2002) CNS Drug Rev 8:177

- CAUTION - Not fully tested. For Research use only. Not for human use. -



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BN0451 RX 821002 hydrochloride

2. ANALYTICAL DATA

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: HPLC Assay: > 99% (complies).

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