

**Product Name:** Rec 15/2615 dihydrochloride

**Catalog No.:** 3284

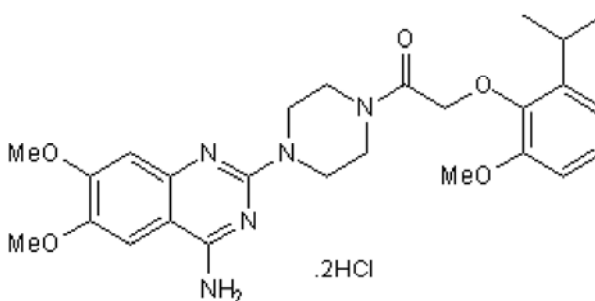
**Batch No.:** 1

CAS Number: 1782573-48-1

IUPAC Name: 1-(4-Amino-6,7-dimethoxy-2-quinazoliny)-4-[[2-methoxy-6-(1-methylethyl)phenoxy]acetyl]piperazine dihydrochloride

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>26</sub>H<sub>33</sub>N<sub>5</sub>O<sub>5</sub>.2HCl  
**Batch Molecular Weight:** 568.49  
**Physical Appearance:** Pale pink solid  
**Solubility:** DMSO to 100 mM  
**Storage:** Desiccate at RT  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**TLC:** R<sub>f</sub> = 0.59 (Dichloromethane:Methanol [9:1])  
**HPLC:** Shows >98.3% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	54.93	6.21	12.32
Found	54.88	6.24	12.24

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

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**Description:**

Selective  $\alpha_{1B}$ -adrenoceptor antagonist ( $K_i$  values are 0.3, 1.9 and 2.6 nM at human  $\alpha_{1B}$ ,  $\alpha_{1A}$  and  $\alpha_{1D}$  receptors respectively).

**Physical and Chemical Properties:**

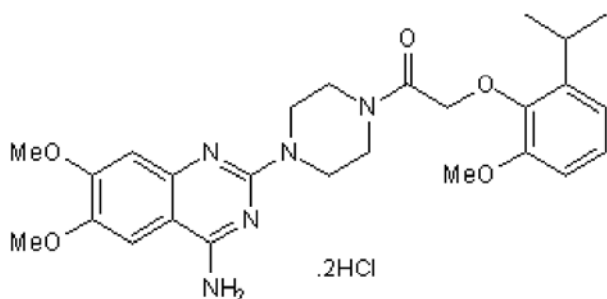
Batch Molecular Formula:  $C_{26}H_{33}N_5O_5 \cdot 2HCl$

Batch Molecular Weight: 568.49

Physical Appearance: Pale pink solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Desiccate at RT

**Solubility & Usage Info:**

DMSO 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:**

**Morston et al (2007)**  $\alpha_{1A}$ -adrenoceptors mediate contractions to phenylephrine in rabbit penile arteries. *Br.J.Pharmacol.* **150** 112. PMID: 17115072.

**Bremner et al (2000)** Ligand design for  $\alpha_1$  adrenoceptor subtype selective antagonist. *Bioorg.Med.Chem.* **8** 201. PMID: 10968279.

**Testa et al (1997)** Pharmacological characterization of the uroselective  $\alpha$ -1 antagonist Rec 15/2739 (SB 216469): Role of the  $\alpha$ -1L adrenoceptor in tissue selectivity, part II. *J.Pharmacol.Exp.Ther.* **281** 1284. PMID: 9190864.

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