

**Product Name:** SR 59230A hydrochloride

**Catalog No.:** 1511

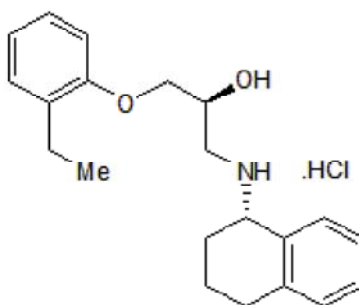
**Batch No.:** 4

CAS Number: 1135278-41-9

IUPAC Name: 1-(2-Ethylphenoxy)-3-[[[(1S)-1,2,3,4-tetrahydro-1-naphthalenyl]amino]-(2S)-2-propanol hydrochloride

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>21</sub>H<sub>27</sub>NO<sub>2</sub>.HCl  
**Batch Molecular Weight:** 361.91  
**Physical Appearance:** Off-white solid  
**Solubility:** water to 10 mM  
DMSO to 100 mM  
**Storage:** Store at RT  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**Melting Point:** Between 115 - 117°C  
**HPLC:** Shows >98.4% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	69.69	7.8	3.87
Found	69.66	7.87	3.84

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

**Product Name:** SR 59230A hydrochloride

**Catalog No.:** 1511

**Batch No.:** 4

CAS Number: 1135278-41-9

IUPAC Name: 1-(2-Ethylphenoxy)-3-[[[(1S)-1,2,3,4-tetrahydro-1-naphthalenyl]amino]-(2S)-2-propanol hydrochloride

**Description:**

SR 59230A hydrochloride is a potent and selective  $\beta_3$  adrenoceptor antagonist (IC<sub>50</sub> values are 40, 408 and 648 nM for  $\beta_3$ ,  $\beta_1$  and  $\beta_2$  receptors respectively). Orally active in vivo.

**Physical and Chemical Properties:**

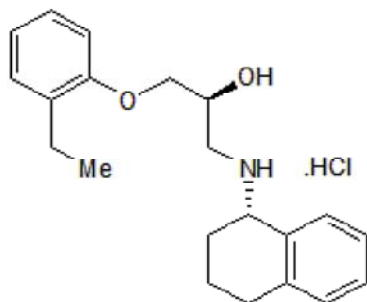
Batch Molecular Formula: C<sub>21</sub>H<sub>27</sub>NO<sub>2</sub>.HCl

Batch Molecular Weight: 361.91

Physical Appearance: Off-white solid

**Minimum Purity:** ≥98%

**Batch Molecular Structure:**



**Storage:** Store at RT

**Solubility & Usage Info:**

water to 10 mM

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:**

**Mizuno et al** (2002) Stimulation of  $\beta_3$ -adrenoceptors causes phosphorylation of p38 mitogen-activated protein kinase via a stimulatory G protein-dependent pathway in 3T3-L1 adipocytes. *Br.J.Pharmacol.* **135** 951. PMID: 11861323.

**Manara et al** (1996) Functional identification of rat atypical  $\beta$ -adrenoceptors by the first  $\beta_3$ -selective antagonists, aryloxypropanolaminotetralins. *Br.J.Pharmacol.* **117** 435. PMID: 8821531.

**Manara et al** (1995) Aryloxypropanolaminotetralins are the first selective antagonists for atypical ( $\beta_3$ )  $\beta$ -adrenoceptors. *Pharmacol.Comm.* **6** 253.

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