

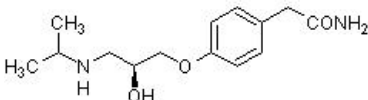
## Product datasheet

# (S)-(-)-Atenolol, beta1 adrenoceptor antagonist

## ab120856

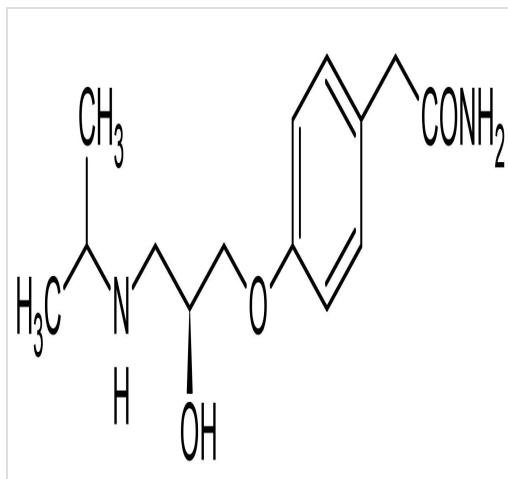
1 Image

### Overview

<b>Product name</b>	(S)-(-)-Atenolol, beta1 adrenoceptor antagonist
<b>Description</b>	Selective $\beta_1$ adrenoceptor antagonist
<b>Biological description</b>	Selective $\beta_1$ adrenoceptor antagonist. Orally active. Limited ability to cross the blood-brain barrier. Antihypertensive activity <i>in vivo</i> .
<b>Purity</b>	> 98%
<b>CAS Number</b>	93379-54-5
<b>Chemical structure</b>	 <p>The chemical structure of (S)-(-)-Atenolol is shown. It consists of a benzene ring with a propanolamine chain at the 1-position and an acetamido group at the 4-position. The propanolamine chain is (S)-1-ethanol-2-[(1-methylethyl)amino]propan-1-ol, which is linked to the benzene ring via an ether oxygen at the 1-position. The acetamido group is -CONH<sub>2</sub>.</p>

### Properties

<b>Chemical name</b>	(S)-(-)-4-[2-Hydroxy-3-[(1-methylethyl)amino]propoxy]benzeneacetamide
<b>Molecular weight</b>	266.34
<b>Molecular formula</b>	C <sub>14</sub> H <sub>22</sub> N <sub>2</sub> O <sub>3</sub>
<b>Storage instructions</b>	Store at Room Temperature. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in water to 25 mM
<b>Handling</b>	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>
<b>SMILES</b>	<chem>CC(C)NC[C@H](O)CCc1ccc(cc1)CC(N)=O</chem>
<b>Source</b>	Synthetic



Chemical Structure - (S)-(-)-Atenolol, beta<sub>1</sub>  
adrenoceptor antagonist (ab120856)

2D chemical structure image of ab120856, (S)-(-)-Atenolol, beta<sub>1</sub>  
adrenoceptor antagonist

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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