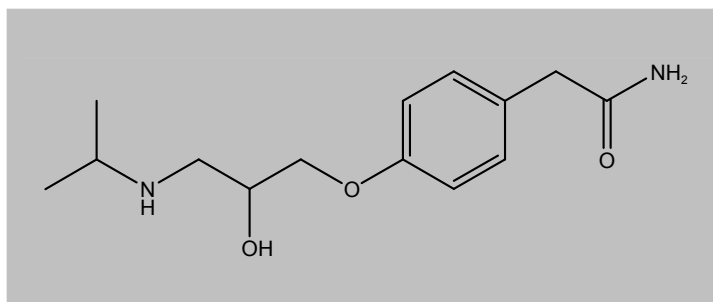


Certificate Of Analysis
Quality Control Testing and Research ApplicationCOA Preparation Date: 13/09/2013
COA Revision Date: 13/09/2016

Product: (RS)-Atenolol
Cat. No.: BG0049
Batch No.: 0049BG/01
Chemical Name: (RS)-4-[2-Hydroxy-3-[(1-methylethyl)amino]propoxy]benzeneacetamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₄H₂₂N₂O₃
Batch Molecular Weight: 266.34
CAS No.: [29122-68-7]
Physical Appearance: White powder
Melting Point: 152 - 156.5° C
Solubility: Soluble to 25 mM in water
Storage: RT
Batch Molecular Structure:



Product Description: Cardioselective β -Adrenoceptor antagonist ($IC_{50} = 16 \mu M$ at human recombinant β_1 -Adrenoceptors). Antihypertensive, antianginal and antiarrhythmic agent.

References: 1. Wadworth et al. (1991) *Drugs* 42:468; 2. Cruickshank and McAinsh (1991) *Curr Med Res Opin* 12:485; 3. Kahonen et al (1994) *Br J Pharmacol* 112:925; 4. Hoffmann et al. (2004) *Naunyn-Schmiedeberg's Arch Pharmacol* 369:151

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

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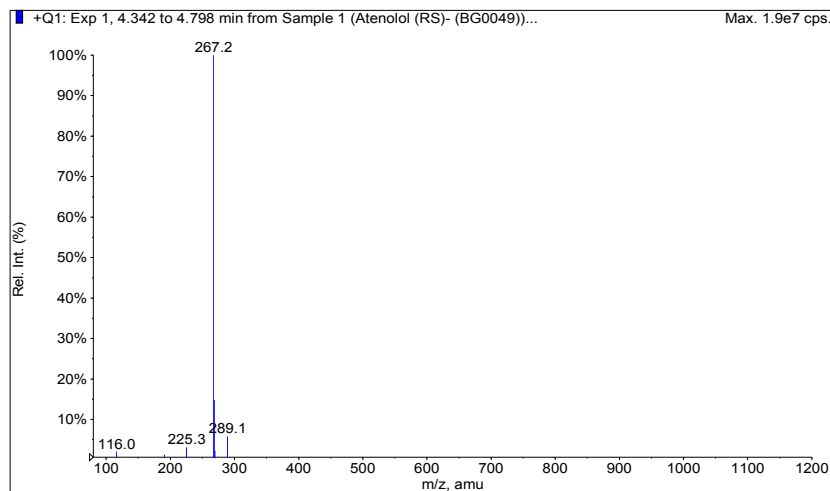
BG0049 (RS)-Atenolol

2. ANALYTICAL DATA

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: Specific Rotation: +0.007° (complies); Loss on drying: 0.12% (complies);
Sulfated Ash: 0.01% (complies); HPLC Assay: 99.4% (complies)



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