

## Certificate Of Analysis

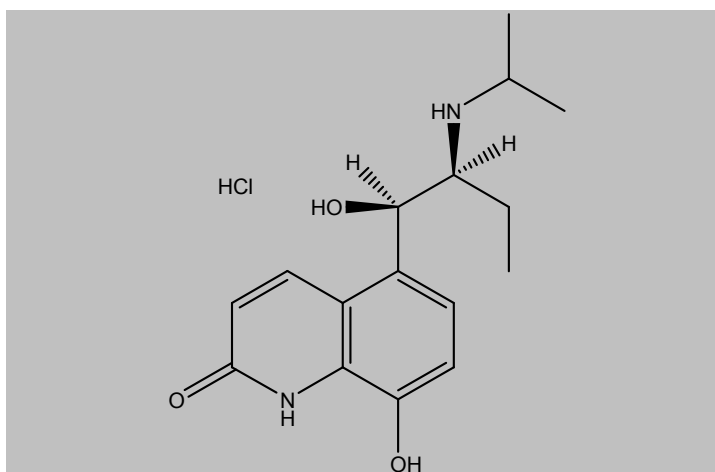
### Quality Control Testing and Research Application

COA Preparation Date: 27/10/2014  
COA Revision Date: 27/10/2017

**Product:** Procaterol hydrochloride  
**Cat. No.:** BN0432  
**Batch No.:** 0432BN/01  
**Chemical Name:** (±)-*erythro*-8-Hydroxy-5-[1-hydroxy-2-(isopropylamino)butyl]carbostyryl hydrochloride

#### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>16</sub>H<sub>22</sub>N<sub>2</sub>O<sub>3</sub> .HCl  
**Batch Molecular Weight:** 326.82  
**CAS No.:** [62929-91-3]  
**Physical Appearance:** White solid  
**Melting Point:** 194 - 197° C  
**Solubility:** Soluble to 100 mM in water  
**Storage:** RT  
**Batch Molecular Structure:**



**Product Description:** Selective and potent  $\beta_2$  adrenoceptor agonist ( $K_i = 40$  nM at human recombinant  $\beta_2$  adrenoceptors).

**References:** 1. Yoshizaki et al. (1977) J Med Chem 20:1103; 2. Marullo et al. (1988) Proc Natl Acad Sci USA 85:7551; 3. Kotsonis and Majewski (1994) Br J Pharmacol 113:781; 4. Lakhiani et al. (1994) Br J Pharmacol 111:1296; 5. Isogaya et al. (1999) Mol Pharmacol 56:87

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

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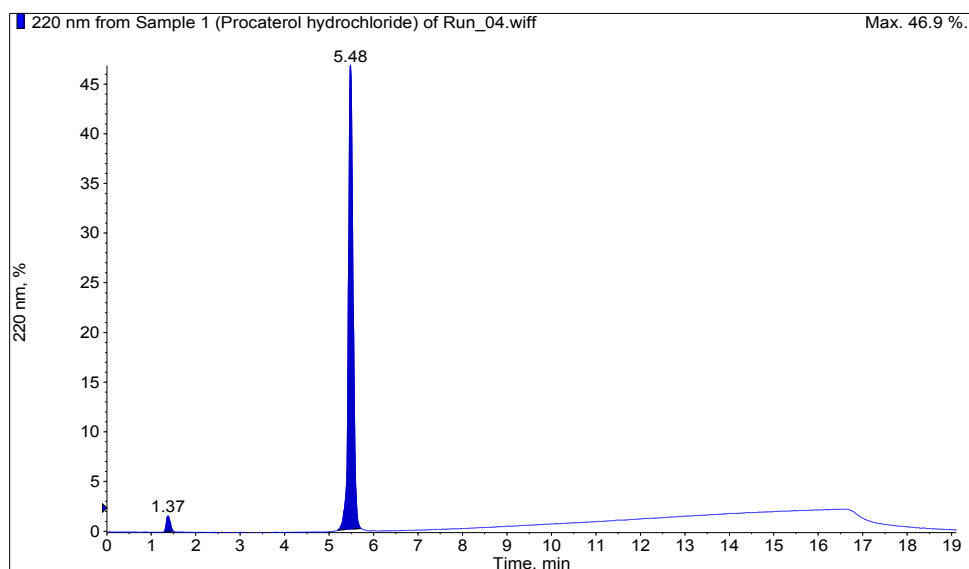
**BN0432 Procaterol hydrochloride**

#### 2. ANALYTICAL DATA

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: pH: 4.4 (complies); Residue on ignition: 0.07% (complies); Heavy Metals: < 10 PPM (complies); HPLC Assay: 99.1% (complies). Conforms to CP2005.



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