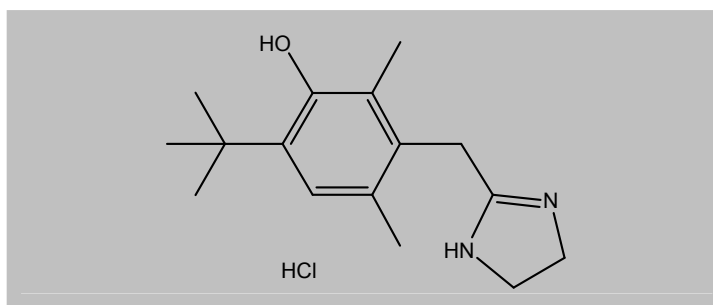


**Certificate Of Analysis**  
**Quality Control Testing and Research Application**COA Preparation Date: 23/09/2013  
COA Revision Date: 23/09/2016

**Product:** Oxymetazoline hydrochloride  
**Cat. No.:** BG0281  
**Batch No.:** 0281BG/01  
**Chemical Name:** 3-(4,5-Dihydro-1*H*-imidazol-2-ylmethyl)-2,4-dimethyl-6-tert-butyl-phenol hydrochloride

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>16</sub>H<sub>24</sub>N<sub>2</sub>O .HCl  
**Batch Molecular Weight:** 296.84  
**CAS No.:** [2315-02-8]  
**Physical Appearance:** White solid  
**Melting Point:** 297 - 299° C  
**Solubility:** Soluble to 50 mM in water  
**Storage:** RT  
**Batch Molecular Structure:**



**Product Description:** Adrenergic  $\alpha_1$  receptor agonist ( $K_i = 23$  nM, rat) and partial  $\alpha_{2A}$  agonist. A direct acting sympathomimetic used as a vasoconstrictor to relieve nasal congestion.

**References:** 1. Greengrass and Bremner (1979) Eur J Pharmacol 55:323; 2. Horie et al. (1995) Br J Pharmacol 116:1611

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



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**BG0281 Oxymetazoline hydrochloride**

**2. ANALYTICAL DATA**

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: HPLC Assay: > 99% (complies).

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