

Certificate Of Analysis

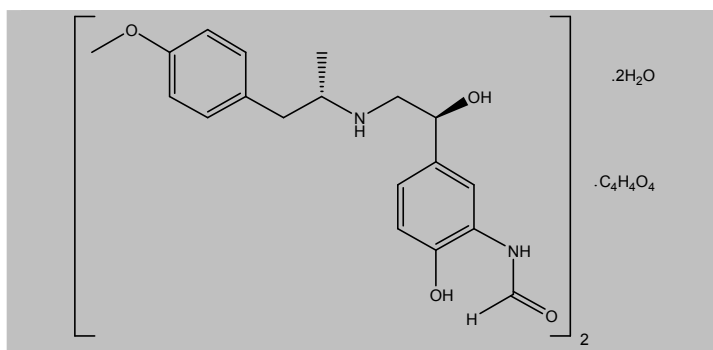
Quality Control Testing and Research Application

COA Preparation Date: 24/09/2013
 COA Revision Date: 24/09/2016

Product: Formoterol fumarate
Cat. No.: BG0369
Batch No.: 0369BG/02
Chemical Name: (*R**,*R**)-N-[2-Hydroxy-5-[1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]formamide fumarate (2:1) salt

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: (C₁₉H₂₄N₂O₄)₂ .C₄H₄O₄ .2 H₂O
Batch Molecular Weight: 840.88
CAS No.: [183814-30-4]
Physical Appearance: Light yellow solid
Melting Point:
Solubility: Soluble to 5 mM in water or to 50 mM in DMSO
Storage: RT
Batch Molecular Structure:



Product Description: A long-acting selective β_2 -adrenergic receptor agonist (K_D values are 7.6 nM for β_2 - and 2.6 μ M for β_1 -receptors). Potently relaxes guinea-pig trachea with a pD_2 value of 9.29.

References: 1. Decker et al. (1982) J Pharm Pharmacol 34:107; 2. Anderson (1993) Life Sci 52:2145; 3. Naline et al. (1994) Eur Respir J 7:914

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



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BG0369 Formoterol fumarate

2. ANALYTICAL DATA

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: pH: 6.1 (complies); Residue on ignition: 0.05% (complies); Heavy Metals: < 20 ppm (complies); HPLC Assay: 99.7% (complies). Complies with JP14 standards.

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