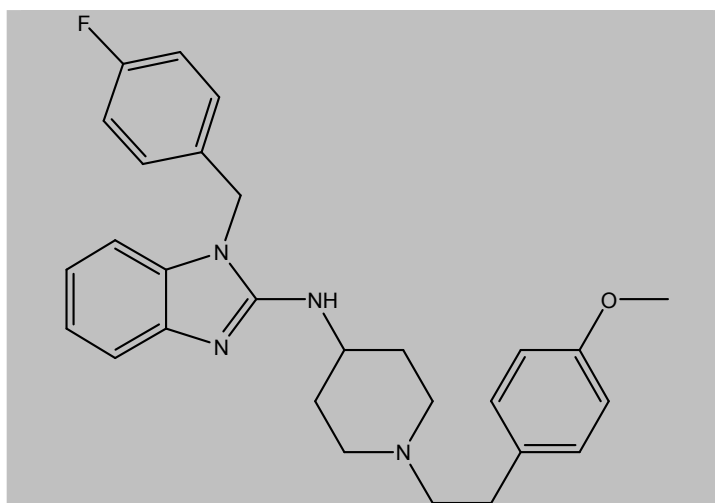


Certificate Of Analysis
Quality Control Testing and Research ApplicationCOA Preparation Date: 13/09/2013
COA Revision Date: 13/09/2016

Product: **Astemizole**
Cat. No.: BG0092
Batch No.: 0092BG/01
Chemical Name: 1-[(4-Fluorophenyl)methyl]-N-[1-[2-(4-methoxyphenyl)ethyl]-4-piperidinyl]-1H-benzimidazol-2-amine

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₈H₃₁FN₄O
Batch Molecular Weight: 458.57
CAS No.: [68844-77-9]
Physical Appearance: White solid
Melting Point: 175 - 178° C
Solubility: Soluble in DMSO or ethanol
Storage: RT
Batch Molecular Structure:



Product Description: **Non-sedating Histamine H₁ receptor antagonist (K_i = 19 nM). It is also a substrate for the Cytochrome P450 isoenzyme CYP3A4, CYP3A5 and CYP3A7.**

References: 1. Laduron (1981) Mol Pharmacol 21:294; 2. Matsumoto and Yamazoe (2001) Br J Clin Pharmacol 51:133

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



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BG0092 Astemizole

2. ANALYTICAL DATA

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: Loss on drying: 0.12% (complies); Sulphated ash: 0.036% (complies); HPLC assay: 99.89% (complies)

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