

Certificate Of Analysis

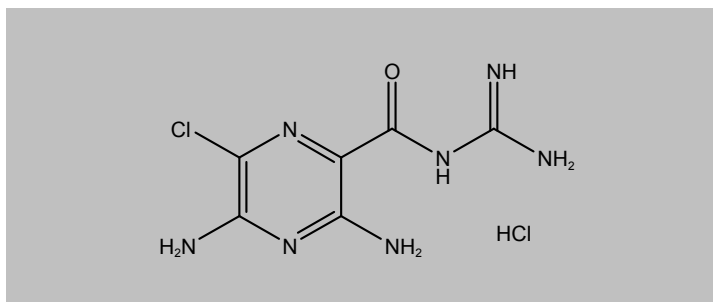
Quality Control Testing and Research Application

COA Preparation Date: 16/12/2016
COA Revision Date: 16/12/2019

Product: Amiloride hydrochloride
Cat. No.: BG0029
Batch No.: 0029BG/01
Chemical Name: N-Amidino-3,5-diamino-6-chloropyrazinecarboxamide hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₆H₈ClN₇O .HCl
Batch Molecular Weight: 266.09
CAS No.: [2016-88-8]
Physical Appearance: Light yellow crystalline powder
Melting Point: 240.5 - 241.5° C
Solubility: Soluble to 20 mM in water
Storage: RT
Batch Molecular Structure:



Product Description: Selective T-type calcium channel blocker and blocker of epithelial sodium channel. Also a selective inhibitor of Urokinase Plasminogen Activator (uPA). Defines the Imidazoline I_{2A}-Amiloride sensitive and I_{2B}-Amiloride insensitive binding site.

References: 1. Tang et al. (1988) Science: 240:213; 2. Kleyman and Kragoe (1988) J Membr Biol 105:1; 3. Jankun and Skrzpczak-Jankun (1999) Cancer Biochem Biophys 17:109, 4. Ernsberger et al. (1992) J Cardiovasc Pharmacol 20:S1; 5. Lopez-Charcas et al. (2012) Mol Pharmacol 82:658

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

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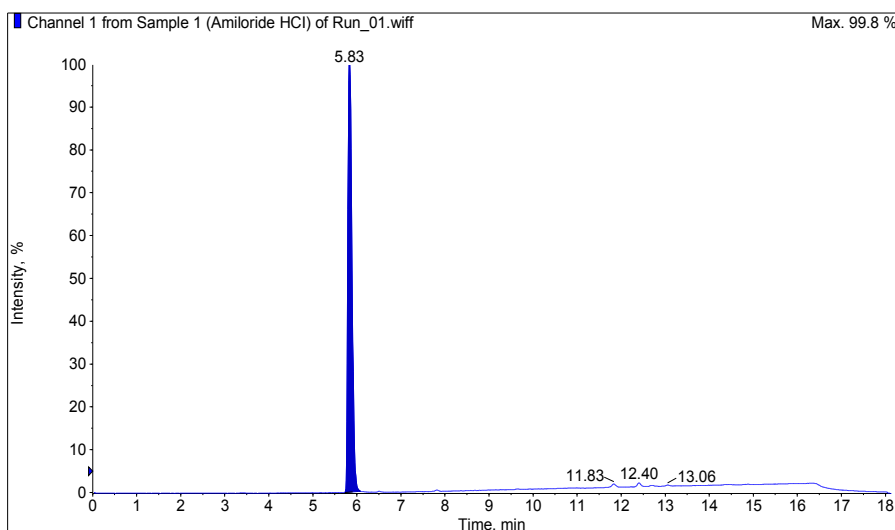
BG0029 Amiloride hydrochloride

2. ANALYTICAL DATA

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: Loss on drying: 11% (complies); Residue on ignition: < 0.04% (complies);
Heavy Metals: < 20 ppm (complies); HPLC Assay: 99.6% (complies)



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