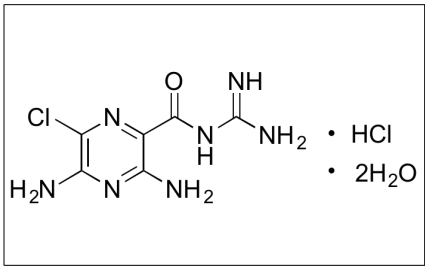
LKT Laboratories, Inc.

Amiloride Hydrochloride Dihydrate

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID A5133
CAS No. 17440-83-4
Chemical Name 3,5-Diamino-N-(aminoiminomethyl)-6-chloropyrazine-carboxamide hydrochloride
Synonym N-Amidino-3,5-diamino-6-chloropyrazinecarboxamide monohydrochloride, Amiprazidine



Formula $C_6H_8ClN_7O \cdot HCl \cdot 2H_2O$
Formula Wt. 302.12
Melting Point 285-288°C
Purity ≥98%
Solubility Soluble in water.

Bulk quanitites available upon request

Product ID	Size
A5133	500 mg
A5133	1 g
A5133	5 g

Store Temp Ambient
Ship Temp Ambient
Description Amiloride is a potassium-sparing diuretic that exhibits antihypertensive and antiviral activities. Amiloride inhibits epithelial Na+ channels (ENaCs), acid-sensing ion channels, and Na+/H+ antiporters. Amiloride prevents Na+ reabsorption in the kidney, increasing excretion of Na+ and water; it is clinically used to treat hypertension and congestive heart failure (CHF). In vitro, amiloride inhibits replication of Coxsackievirus B3 and poliovirus type 1.

References

Ogram SA, Boone CD, McKenna R, et al. Amiloride inhibits the initiation of Coxsackievirus and poliovirus RNA replication by inhibiting VPg uridylylation. Virology. 2014 Sep;464-465:87-97. PMID: 25058507.

Yu X, Hu Y, Yu S. Effects of acid on vagal nociceptive afferent subtypes in guinea pig esophagus. Am J Physiol Gastrointest Liver Physiol. 2014 Aug 15;307(4):G471-8. PMID: 24994852.

Paar M, Pavenstädt H, Kusche-Vihrog K, et al. Endothelial sodium channels trigger endothelial salt sensitivity with aging. Hypertension. 2014 Aug;64(2):391-6. PMID: 24866143.

Bhagatwala J, Harris RA, Parikh SJ, et al. Epithelial sodium channel inhibition by amiloride on blood pressure and cardiovascular disease risk in young prehypertensives. J Clin Hypertens (Greenwich). 2014 Jan;16(1):47-53. PMID: 24410943.