Amiloride Hydrochloride Dihydrate

**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** C₆H₈ClN₇O • HCl • 2H₂O  
**Formula Wt.** 302.12  
**Melting Point** 285-288°C  
**Purity** ≥98%  
**Solubility** Soluble in water.  

**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**  


**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.