**Product Information**

**Potassium Canrenoate**

**Product ID** P5878  
**CAS No.** 2181-04-6

**Chemical Name** (17α)-17-Hydroxy-3-oxopregna-4,6-diene-21-carboxylic acid γ-lactone free acid potassium salt

**Synonym** Canrenoic acid Potassium salt, Kanrenol, Soldactone, Venactone

**Formula** C$_{22}$H$_{29}$KO$_4$

**Formula Wt.** 396.56

**Melting Point**

- **Purity** ≥98%
- **Solubility** Very soluble in water and alcohol. Insoluble in chloroform and ether.

**Store Temp** Ambient  
**Ship Temp** Ambient

**Description** Potassium canrenoate is a mineralocorticoid/aldosterone antagonist that exhibits cardioprotective, nephroprotective, antihypertensive, and anti-fibrotic activities. In animal models of cardiac ischemia/reperfusion, potassium canrenoate increases phosphorylation of ERK1/2 and Akt, decreasing infarct size in an adenosine receptor-dependent manner. Potassium canrenoate also improves high salt diet-induced renal dysfunction, reversing the effects of hypofiltration. Additionally, potassium canrenoate displays negative inotropic activity at high doses, decreasing heart rate, blood pressure, and ventricular contraction; it also prolongs ventricular repolarization and the refractory period.

**References**


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