



LKT Laboratories, Inc.

## Spironolactone

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### Product Information

**Product ID** S6235

**CAS No.** 52-01-7

**Chemical Name** (7 $\alpha$ ,17 $\alpha$ )-7-(Acetylthio)-17-hydroxy-3-oxopregn-4-ene-21-carboxylic acid  $\gamma$ -lactone

**Synonym** Spirolactone, Spiroctan, Aldactone

**Formula** C<sub>24</sub>H<sub>32</sub>O<sub>4</sub>S

**Formula Wt.** 416.57

**Melting Point** 134-135°C (lit.)

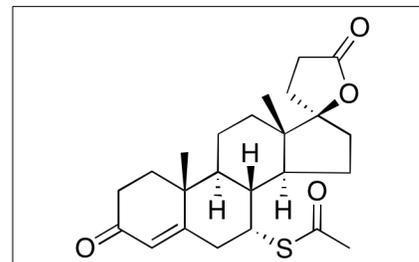
**Purity**  $\geq$ 97%

**Solubility** Soluble in organic solvents.  
Practically insoluble in water.

**Store Temp** Ambient

**Ship Temp** Ambient

**Description** Spironolactone is a diuretic that inhibits aldosterone receptors, mineralocorticoid receptors, androgen receptors, and endothelial Na<sup>+</sup> channels (ENaCs). Spironolactone exhibits antihypertensive activity and is clinically used to treat heart failure. Spironolactone may inhibit voltage-gated Ca<sup>2+</sup> channels.



**Bulk quantities available upon request**

Product ID	Size
S6235	250 mg
S6235	1 g
S6235	5 g

**References** Yancy CW, Jessup M, Bozkurt B, et al. 2013 ACCF/AHA guideline for the management of heart failure: a report of the American College of Cardiology Foundation/American Heart Association Task Force on Practice Guidelines. *J Am Coll Cardiol.* 2013 Oct 15;62(16):e147-239. PMID: 23747642.

Mann SJ, Parikh NS. A simplified mechanistic algorithm for treating resistant hypertension: efficacy in a retrospective study. *J Clin Hypertens (Greenwich).* 2012 Apr;14(4):191-7. PMID: 22458739.

Nappi JM, Sieg A. Aldosterone and aldosterone receptor antagonists in patients with chronic heart failure. *Vasc Health Risk Manag.* 2011;7:353-63. PMID: 21731887.

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