



## API Raw Powder Purity 99% Spironolactone Diuretic CAS 52-01-7

Our Product Introduction

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### Basic Information

- Place of Origin: China
- Minimum Order Quantity: 10Grams
- Price: USD
- Packaging Details: 1kg/Foil Bag
- Delivery Time: 3-7days after received payment
- Payment Terms: T/T, Western Union, PayPal
- Supply Ability: 5000KG Per Year



### Product Specification

- Product Name: Spironolactone
- Cas: 52-01-7
- Appearance: White Powder
- Purity: 99%
- Usage: Man Health
- Highlight: **API Spironolactone Diuretic,  
Spironolactone Diuretic, CAS 52-01-7**



## Product Description

### High Quality API Raw Powder Purity 99% Spironolactone Diuretic CAS 52-01-7

Product name	Spironolactone
Appearance	White powder
CAS	52-01-7
MF	C <sub>24</sub> H <sub>32</sub> O <sub>4</sub> S
Purity	99%
Storage	Keep in cool dry place.

#### The Introduction of Spironolactone

Spironolactone is white powder easily soluble in chloroform, benzene, ethyl acetate, soluble in ethanol, insoluble in water.

Spironolactone, chemically known as 17β-hydroxy-3-oxo-7α-(acetylthio)-17α-pregn-4-ene-21-carboxylic acid-γ-lactone, is a synthetic compound with the chemical formula C<sub>24</sub>H<sub>32</sub>O<sub>4</sub>S, which is mainly used as a low-potency diuretic, and its structure is similar to that of aldosterone, which is a competitive inhibitor of aldosterone. Its structure is similar to aldosterone, and it is a competitive inhibitor of aldosterone. Since it only acts on the distal tubule and the collecting duct, it has no effect on the other segments of the renal tubule, so its diuretic effect is weak. In addition, spironolactone has effects on aldosterone target organs other than renal tubules.

Spironolactone is a steroid, a strongly acting endogenous salt corticosteroid aldosterone. Spironolactone has a similar chemical structure to aldosterone and competes with aldosterone for binding to aldosterone receptors in the epithelial cells of the cortical segments of the distal tubules and collecting ducts, thereby inhibiting aldosterone's role in promoting K-Na exchange. It increases Na and Cl excretion and acts as a diuretic, while K is retained. The diuretic effect of the drug is weak, slow and persistent. After a period of continuous use of the drug, its diuretic effect gradually weakened. Meanwhile, it has anti-androgen activity, which can selectively destroy testicular and adrenal microsomal cytochrome P450, thus inhibiting androgen production by the gonads, and can compete with dihydrotestosterone for the receptor at the target tissues, reducing the stimulation of sebaceous glands by androgens.

#### The Application & Function of Spironolactone

##### Indications

- 1, edematous diseases in combination with other diuretics for the treatment of congestive edema, cirrhotic ascites, renal edema and other edematous diseases, which are aimed at correcting the secondary increase in aldosterone secretion that accompanies the above mentioned diseases and counteracting the potassium excretion effect of other diuretics. It is also used in the treatment of idiopathic edema.
  - 2, Hypertension effect for the treatment of hypertension auxiliary drugs.
  - 3, Primary aldosteronism can be used for the diagnosis and treatment of this disease.
  - 4, Prevention of hypokalemia is used in combination with thiazide diuretics to enhance the diuretic effect and prevent hypokalemia.
- Clinically used in the treatment of intractable edema associated with elevated aldosterone, so it is more effective in patients with hepatic sclerosis and nephrotic syndrome, while it is less effective in patients with congestive heart failure except for patients with secondary aldosteronism caused by sodium deficiency.

#### Other Name of Spironolactone

Spironolactone

, (7α,17α)-

7-α-Acetylthio-3-oxo-17-α-pregn-4-ene-21,17-β- carbolactone

17-hydroxy-7-α-mercapto-3-oxo-17-α-pregn-4-ene-21-carboxylic acid

17-hydroxy-7-α-mercapto-3-oxo-17-α-pregn-4-ene-21-carboxylic acid gamma

3-(3-keto-7-α-acetylthio-17-β-hydroxy-4-androsten-17-α-yl)propion

17-α-pregn-4-ene-21-carboxylic acid, 1-hydroxy-7-α-mercapto-3-oxo-α

17-α-pregn-4-ene-21-carboxylic acid, 1-hydroxy-7-α-mercapto-3-oxo-α-lactone

17-Hydroxy-7-α-mercapto-3-oxo-17-α-pregn-4-ene-21-carboxylic acid gamma-lactone acetate

17-α-pregn-4-ene-21-carboxylic acid, 17-hydroxy-7-α-mercapto-3-oxo-, gamma-lactone, acetate

17-Hydroxy-7-α-mercapto-3-oxo-17-α-pregn-4-ene-21-carboxylic acid-gamma-lactone-7-acetate

S-(10,13-dimethyl-3,5'-dioxo-1,2,3,4',5',6,7,8,9,10,11,12,13,14,15,16-hexadecahydro-3'H-spiro[cyclopenta[a]phenanthrene-17,2'-furan]-7-yl) ethanethioate

S-[(7R,9S,10R,13S,14S,17R)-10,13-dimethyl-3,5'-dioxo-1,2,3,4',5',6,7,8,9,10,11,12,13,14,15,16-hexadecahydro-3'H-

spiro[cyclopenta[a]phenanthrene-17,2'-furan]-7-yl] ethanethioate

S-[(7R,8R,9S,10R,13S,14S,17R)-10,13-dimethyl-3,5'-dioxo-1,2,3,4',5',6,7,8,9,10,11,12,13,14,15,16-hexadecahydro-3'H-

spiro[cyclopenta[a]phenanthrene-17,2'-furan]-7-yl] ethanethioate

#### The COA of Spironolactone

Items	Requirements	Results
Characters	a white or yellowish-white powder	White powder
Solubility	Practically insoluble in water, soluble in alcohol	Complies
Identification	meets the requirement	Complies
Specific optical rotation	between -41° and -46°	-42.0°
Loss on drying	not more than 0.5%	0.22%
Sulphated ash	not more than 0.1%	0.04%
Assay	between 97.0% and 103.0%	99.3%
Particle size(In-house)	95% not more than 20 microns	Complies
<b>CONCLUSION:</b>	<b>Passed</b>	



#### **Our Advantages**

1. Cooperate with research institutions, we strictly control the process from raw material to finished product.
2. The customer comes first, we provide reasonable price, high quality product and prompt shipment.
3. We can send the goods to your delivery address directly. It is relatively safe and fast. We have ready goods in stock.
4. Quick and clear response to customers questions. Warm after sale service, we will help to solve the problems in your usage.
5. We could make our price discount if you place a substantial order with us

#### **Why Choose Us?**

1. Full experience of large numbers containers loading in Chinese sea port.
2. Fast shipment by reputed shipping line.
3. Packing with pallet as buyer's special request.
4. Best service after shipment with e mail.
5. Cargoes together with container sales service available.
6. Full experience for Canada & Japan export.
7. Cargoes photo before and after loading into container.
8. Raw materials from Chinese origin.

#### **FAQ**

1. Are you a factory?

Yes, we are the manufacture factory, we sell to to many counties including USA, Canada, UK, Mexico, India, Australia.....etc.

2. How to confirm the goods quality before placing orders?

You can get free samples for some products, you only need to pay the shipping cost or arrange a courier to us and take the samples. You can send us your product specifications and requests, we will manufacture the products according to your requests.

3. Why should you buy from us ?

- (1.) High purity good quality with pretty competitive price.
- (2.) Large capacity of stable products supply.
- (3.) Safety and fast shipment by sea/by air.
- (4.) Sample order acceptable.
- (5.) Good and tight packing as customized.

4. What's your MOQ?

Normally,our MOQ is 1kg. But it could be according to the products and your actual demand.

5. How about delivery time?

It depends on the qty, usually,we can ship the samples within 2-3 days after payment confirmed. (Chinese holiday not included)

6. Is there a discount?

Yes, for larger quantity, we always support with better price.

7. What payment term do you accept?

We'd like to accept pay through Alibaba, bank transfer, Western Union, BTC.



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