

## cas 497-76-7 Arbutin 4-Hydroxyphenyl-β-D-glucopyranosidep hydroquinone O-β-D-glucopyranoside

### Basic Information

- Place of Origin: China
- Brand Name: Firsky
- Model Number: FS-CAS 497-76-7
- Minimum Order Quantity: 1KG
- Packaging Details: 1kg, 5kg, 15kg, 20kg, 25kg can be packed in different specifications. Packaging can be customized according to customer requirements. Aluminium foil bag and carton.
- Delivery Time: 7-15 days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 2000T



### Product Specification

- Product Name: Arbutin
- Shelf Life: 2 Years
- CAS NO: 497-76-7
- Purity: 99%



## Product Description

### Product Description

Product Name:	alpha-Arbutin
Synonyms:	alpha-arbutin;Hydroquinone O- $\alpha$ -D-Glucopyranoside;4-Hydroxyphenyl $\alpha$ -D-glucopyranoside;4-hydroxyphenyl alpha-D-glucopyranoside;Alpha bear; $\alpha$ -arbutin 84380-01-8;(2R,3S,4S,5R,6R)-2-(hydroxymethyl)-6-(4-hydroxyphenoxy)oxane-3,4,5-triol;LGB-AA
CAS:	<b>84380-01-8</b>
MF:	C <sub>12</sub> H <sub>16</sub> O <sub>7</sub>
MW:	272.25
EINECS:	209-795-0
Melting point	195-196°C
Boiling point	561.6 $\pm$ 50.0 °C(Predicted)
density	1.556 $\pm$ 0.06 g/cm <sup>3</sup> (Predicted)
storage temp.	2-8°C
solubility	DMSO (Slightly), Methanol (Slightly)
Appearance	White powder
Uses	$\alpha$ -Arbutin may be used as an analytical reference standard for the determination of the analyte in cosmetics by high-performance liquid chromatography with UV detection (HPLC-UV) method.

### Description

Arbutin, with the CAS number 497-76-7, is a natural compound that belongs to the class of glycosylated hydroquinones. It is derived from various plant sources, such as bearberry (*Arctostaphylos uva-ursi*), cranberry, and pear. Arbutin is known for its skin-lightening and antioxidant properties, which make it a popular ingredient in cosmetic and skincare products.

The chemical structure of arbutin consists of a hydroquinone molecule attached to a glycosyl group, specifically a  $\beta$ -D-glucopyranoside. This glycosylation allows arbutin to be more stable and less prone to oxidation compared to pure hydroquinone.

Arbutin is primarily used in skincare products for its ability to inhibit tyrosinase, an enzyme involved in the production of melanin. By reducing the activity of tyrosinase, arbutin helps to lighten the skin and fade hyperpigmentation, such as age spots, melasma, and freckles. It is often used as an alternative to hydroquinone, a potent skin-lightening agent that can have potential side effects.

### Application

Arbutin, with the CAS number 497-76-7, finds application primarily in the cosmetic and skincare industry. Here are some common applications of arbutin:

**Skin Lightening:** Arbutin is widely used in skincare products for its skin-lightening properties. It inhibits the activity of tyrosinase, an enzyme involved in melanin production, thereby helping to reduce hyperpigmentation and even out skin tone. It is often used in formulations for treating age spots, melasma, freckles, and other forms of hyperpigmentation.

**Anti-Aging:** Arbutin's antioxidant properties make it beneficial in anti-aging skincare formulations. It helps to neutralize free radicals, which can cause oxidative stress and damage to the skin. By reducing oxidative damage, arbutin may contribute to the prevention of premature aging, such as the appearance of fine lines, wrinkles, and age-related skin damage.

**Skin Brightening:** Arbutin is known to promote a brighter complexion by reducing the appearance of dullness and enhancing the skin's radiance. It is often included in formulations aimed at improving the overall brightness and luminosity of the skin.

**Sun Damage Protection:** Arbutin's ability to inhibit tyrosinase also makes it useful in sun care products. Melanin is produced as a defense mechanism against UV radiation, and by reducing its production, arbutin may help to prevent or minimize sun-induced hyperpigmentation.

**Moisturizers and Serums:** Arbutin is frequently incorporated into moisturizers, serums, and other skincare products to provide its skin-brightening and antioxidant benefits. It is often combined with other ingredients like vitamins, peptides, or botanical extracts to enhance its effects and deliver comprehensive skincare benefits.

**Cosmetics:** Arbutin can also be found in cosmetic products such as foundations, concealers, and tinted creams, where it helps to provide a more even and uniform skin tone.

### FAQ

#### How do I make a purchase?

We advise that you speak with our customer support personnel before placing an order because the market price of chemical raw materials fluctuates often

1. Please let me know which products you require and how many of each you need.
2. We will provide you with the best pricing right away, including delivery charges.
3. If the price seems reasonable to you, you can select a payment option to complete the transaction.
4. After we confirm your payment, your shipment will be wrapped and dispatched within 24 hours.

5. Two days after the package is sent out, a tracking number and packing photo will be provided.
6. We wish you a wonderful shopping experience and encourage you to get in touch with us if there are any problems.

**Which delivery alternatives are available?**

All Fushikai orders are shipped from Japan using FEDEX, UPS, DHL, Airmail, Surface Mail, EMS (Japan Post), and Economical Air (SAL). Depending on the various nations, we will select the best choice. Once payment has been received, the approximate delivery time is 5-7 working days.

**How are your products verified?**

We use our own quality control team to inspect each batch of products. Only at least 98% of pharmaceutical raw materials are used in the synthesis process, rather than cheap sources that are replicated using discarded chemical ingredients. Multiple tests are conducted using cutting-edge equipment to ensure perfect accuracy in determining the potency, purity and quality of ingredients and finished products.

**Does a discount apply to large orders?**

After your order reaches a particular value, there is a large discount. Several seasonal sales and promotions are available from us.

**What forms of payment do you accept?**

We accept payments with Western Union, Bitcoin, e-transfers, bank transfers, MoneyGram, and Alipay in addition to all other forms of cryptocurrency.

**Do you deliver to parcel lockers at PO boxes?**

YES, we could deliver to parcel lockers at PO boxes!

**Can I get a tracking number from you?**

We will provide you the tracking number and some images of the items you ordered as soon as the shipment is planned. For the most up-to-date tracking updates, please go to our preferred site.



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