CAS 604-69-3 Skin Whitening Ingredients β-D-Glucose Pentaacetate Solid

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: FIRSKY
- Model Number: 604-69-3
- 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: 7-15days
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 2000T

Product Specification

- Product Name: β-D-Glucose Pentaacetate
- CAS NO: 604-69-3
- Molecular Formula: $C_{16}H_{22}O_{11}$
- Molecular Weight: 390.34
- Highlight: **604-69-3 Skin Whitening Ingredients**, **Skin Whitening Ingredients Pentaacetate**, **B-D-Glucose Pentaacetate Solid**

Our Product Introduction

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Product Description

β-D-Glucose Pentaacetate CAS 604-69-3

Chemical Name	β-D-Glucose Pentaacetate
Synonyms	β-D-Glucopyranose 1,2,3,4,6-Pentaacetate; 1,2,3,4,6-Penta-O-acetyl-β-D-
CAS Number	604-69-3
Molecular Formula	$C_{16}H_{22}O_{11}$
Appearance	White to Off-White Solid
Melting Point	128-130°C
Molecular Weight	390.34
Storage	4°C
Solubility	Chloroform (Slightly), Methanol (Slightly)
Category	Building Blocks; Carbohydrates;
Applications	D-Glucose pentaacetate was reported to stimulate insulin release in rat pancreatic islets. Only a-D-glucose pentaacetate caused an immediate increase in insulin output. The b-anomer of D-glucose pentaacetate first transiently inhibited insulin release, this initial effect being followed by a secondary rise in secretory rate.

Description

β-D-Glucose Pentaacetate, CAS 604-69-3: A Precious Derivative of a Sweet Molecule
Prepare to explore the captivating world of β-D-Glucose Pentaacetate, CAS 604-69-3, a remarkable chemical derivative of glucose with diverse applications in chemistry, science, and industry.

Chemical Transformation: β-D-Glucose Pentaacetate is the result of a chemical reaction that replaces hydroxyl (-OH) groups in glucose with acetyl (-OCOCH3) groups. This transformation imparts unique properties to the molecule.
Hydrophobic Nature: Due to the acetyl groups, this compound becomes less soluble in water and more soluble in organic solvents, making it valuable in various chemical processes.
Chemical Reactions: It serves as a reagent in numerous chemical reactions, including acetylation and protection of hydroxyl groups in organic synthesis.
Analytical Chemistry: In analytical chemistry, β-D-Glucose Pentaacetate is used to derivatize carbohydrates, enabling their analysis and quantification through techniques like gas chromatography.
Biological and Medicinal Research: This compound can find applications in pharmaceutical research, particularly in drug development involving carbohydrate-based molecules.
Scientific Innovation: Researchers continue to explore the potential applications of β-D-Glucose Pentaacetate, making it a molecule of interest in various scientific fields.
Elevate Your Chemical Understanding: Understanding the significance and potential of β-D-Glucose Pentaacetate, CAS 604-69-3, underscores its importance in the fields of organic chemistry, analytical chemistry, and chemical research.
Whether you're a chemist conducting innovative experiments, a researcher unlocking the secrets of complex molecules, or someone intrigued by the diverse applications of chemistry, unveiling the potential of β-D-Glucose Pentaacetate offers profound insights into its pivotal role in advancing scientific knowledge and driving chemical progress.
Your journey to discover the significance of this compound, from its chemical transformations to its contributions to research and industry, begins here. Delve into its uses to gain a deeper understanding of its vital place in advancing scientific knowledge and supporting innovation in the world of chemistry. Embrace the possibilities of a molecule that transforms our understanding of the sweet world of glucose.

Application

β-D-Glucose pentaacetate, with the CAS number 604-69-3, is a chemically modified form of glucose. It is also known as glucose pentaacetate. Here is its main usage:
Chemical synthesis: β-D-Glucose pentaacetate is commonly used in organic chemical synthesis as a protecting group for the hydroxyl (OH) groups of glucose. By acetylating the hydroxyl groups, β-D-glucose pentaacetate can temporarily block their reactivity during chemical reactions. This protection allows selective functionalization or modification of other parts of the glucose molecule. After completing the desired reactions, the acetyl groups can be removed to regenerate the original glucose molecule.
It's important to note that β-D-Glucose pentaacetate is primarily used in laboratory settings for chemical research and synthesis purposes. It is not intended for human consumption or application in food, drugs, or other consumer products.
If you are considering using or working with β-D-Glucose pentaacetate or any other chemical compound, it is essential to adhere to proper safety precautions, handle the substance in a well-equipped laboratory, and follow the guidance and regulations provided by relevant authorities, such as safety data sheets (SDS) and local regulations for chemical handling and disposal.

Advantage

1.Firsky (Wuhan) continues to make efforts to steadily offer clients high-quality items. We have put in place a reliable internal quality management system and are always working to increase quality, decrease deviation, and eliminate waste.
2. If you have any questions, don't hesitate to ask them; we'll get back to you within 48 hours.
3.After getting the items, if you have any questions, don't hesitate to get in touch with us. We promise to compensate you in full if we were the source of the loss.

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.

FIRSKY® **Firsky International Trade (Wuhan) Co., Ltd**

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