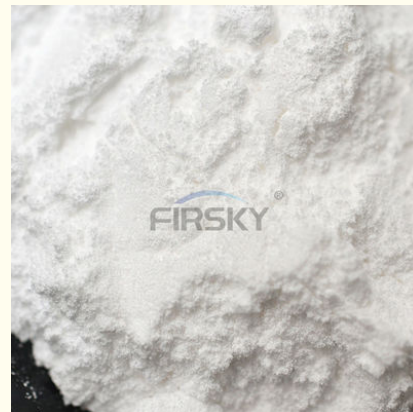


Uridine 5'-Diphosphoglucose Disodium Salt CAS 28053-08-9 Synthesis and Nucleotide Biosynthesis

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Firsky
- Model Number: FS-CAS 28053-08-9
- 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

- Shelf Life: 2 Years
- Product Name: Uridine 5'-Diphosphoglucose Disodium Salt
- CAS NO: 28053-08-9
- Purity: 99%



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Product Description

Product Description

Chemical Name	Uridine 5'-Diphosphoglucose Disodium Salt
Synonyms	Uridine 5'-(Trihydrogen diphosphate) P'- α -D-Glucopyranosyl Ester Disodium Salt; Uridine 5'-(Trihydrogen pyrophosphate) Mono- α -D-glucopyranosyl Ester Disodium Salt; Disodium UDP-glucose; Disodium Uridine Diphosphoglucose;
CAS Number	28053-08-9
Alternate CAS #	freeacid: 133-89-1
Molecular Formula	C ₁₅ H ₂₂ N ₂ Na ₂ O ₁₇ P ₂
Appearance	White to Off-White Solid
Melting Point	>162°C (dec.)
Molecular Weight	610.27
Storage	-20°C, Hygroscopic
Solubility	Aqueous Acid (Slightly), Methanol (Slightly), Water (Slightly)
Stability	Hygroscopic
Category	Standards; Pharmaceutical/API Drug Impurities/Metabolites; Carbohydrates and Oligosaccharides;
Applications	Disodium UDP-glucose is a phosphorylated uridine derivative used in nucleotide sugars metabolism as an activated form of glucose as a substrate for the enzyme glucosyltransferases. It is used in the treatment of chronic alcoholism. It is used in characterization of limonoid glucosyltransferase.

Description

Discover the potential of Uridine 5'-Diphosphoglucose Disodium Salt (CAS 28053-08-9), a high-quality compound essential for glycogen synthesis and nucleotide biosynthesis. Uridine 5'-Diphosphoglucose Disodium Salt serves as a crucial precursor in the biosynthesis of glycogen, a vital energy storage molecule in the body. Additionally, it plays a significant role in nucleotide biosynthesis, contributing to the formation of DNA and RNA building blocks. This premium Uridine 5'-Diphosphoglucose Disodium Salt (CAS 28053-08-9) is widely utilized in scientific research and biochemical studies to investigate carbohydrate metabolism, glycogen synthesis, and nucleotide production. Unlock the potential of Uridine 5'-Diphosphoglucose Disodium Salt and explore its applications in various research areas. Consult with experts in the field for specific guidance on usage and dosage tailored to your research requirements.

Application

Uridine 5'-diphosphoglucose disodium salt (CAS 28053-08-9) is a compound that has various applications and usages. Here are some common uses of Uridine 5'-diphosphoglucose disodium salt:

Glycogen Synthesis: Uridine 5'-diphosphoglucose disodium salt is involved in the biosynthesis of glycogen, a storage form of glucose in the body. It serves as a substrate for the enzyme glycogen synthase, which converts it into glycogen.

Nucleotide Biosynthesis: Uridine 5'-diphosphoglucose disodium salt is a precursor in the biosynthesis of nucleotides, which are essential building blocks of DNA and RNA. It contributes to the synthesis of uridine monophosphate (UMP) and other nucleotides.

Cell Signaling: Uridine 5'-diphosphoglucose disodium salt plays a role in cell signaling pathways. It can modulate the activity of certain enzymes and receptors involved in cellular communication and metabolism.

Research and Biochemical Studies: Uridine 5'-diphosphoglucose disodium salt is commonly used in research and biochemical studies to investigate carbohydrate metabolism, glycogen synthesis, and nucleotide biosynthesis. It serves as a valuable tool for studying cellular processes and metabolic pathways.

It's important to note that specific dosages and applications may vary depending on the intended use and research context. It's advisable to consult scientific literature, research experts, or healthcare professionals for precise guidance on the usage of Uridine 5'-diphosphoglucose disodium salt (CAS 28053-08-9) in your specific area of interest.

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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