

1. Identification

Catalogue Number

T344100

Lot Number

39-MJC-134-1

Product Name

Thiamine Triphosphate

Synonyms

3-?[(4-?Amino-?2-?methyl-?5-?pyrimidinyl)?methyl]?-?4-?methyl-?5-?(4,?6,?8,?8-?tetrahydroxy-?4,?6,?8-?trioxido-?3,?5,?7-?trioxo-?4,?6,?8-?triphosphaoct-?1-?yl)?-?thiazolium Inner Salt; Thiamine Hydroxide Tetrahydrogen Triphosphate Inner Salt; 3-[(4-Amino-2-methyl-5-pyrimidinyl)methyl]-4-methyl-5-(4,6,8,8-tetrahydroxy-3,5,7-trioxo-4,6,8-triphosphaoct-1-yl)-thiazolium Inner Salt P,P',P''-

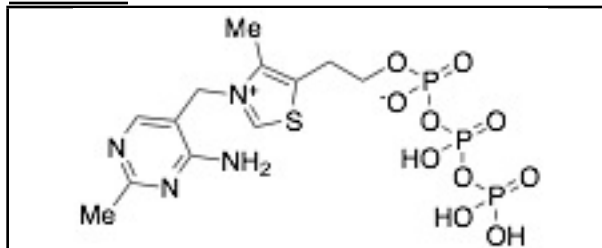
CAS Number

3475-65-8

Solubility

Water (Slightly)

Structure



Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₁₂H₁₉N₄O₁₀P₃S

Source of Product

Synthetic

Long Term Storage Conditions

-20°C

Molecular Weight

504.29

Purity

95%

2. Warnings

Hygroscopic, Unstable in Solution

3. Analytical Information

Tests

Appearance

Specifications

White to Pale Yellow Solid

Results

White to Off-White Solid

NMR

Conforms to Structure

Conforms

P NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 27.32, %H: 4.38, %N: 10.88

MS

Conforms to Structure

Conforms

Additional Information

N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed by



Meenakshi Sharma

Product Quality Specialist

Reviewed by



Toni Rantanen

Manager, Quality Assurance

C of A Approved by



Chanell Chu

Quality Assurance Associate

Test Date

5/6/2024

Retest Date

5/4/2028