



CERTIFICATE OF ANALYSIS

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1. Identification

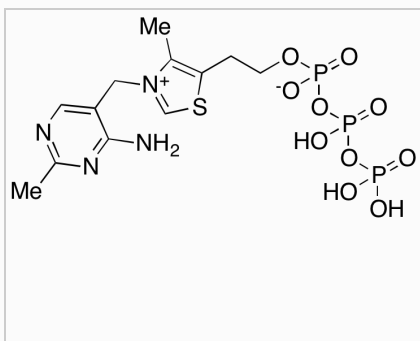
Catalogue Number: T344100

CAS Number: 3475-65-8

Synonym: 3-[(4-Amino-2-methyl-5-pyrimidinyl)methyl]-4-methyl-5-(4,6,8-trihydroxy-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''-TrioxideThiamine Triphosphoric Acid Ester

Product: Thiamine Triphosphate

Structure:



Molecular Formula:

C₁₂H₁₉N₄O₁₀P₃S

Molecular weight:

504.29

Source of Product:

Synthetic

Solubility:

Water (Slightly)

Lot Number: 1-ISJ-146-15

Purity: 97%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Pale Yellow Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 27.51, %H: 3.96, %N: 10.67
MS	Conforms to Structure	Conforms
P NMR	Conforms to Structure	Conforms
LC-MS	Conforms to Structure	Conforms
Water Content	Report Result	~3.5% based on Elemental Analysis

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	Reviewed By	C of A Approved By	Test Date	Retest Date
Henry Tieu	Toni Rantanen	Chanell Chu	4/27/2022	4/25/2026
				