

1. Identification

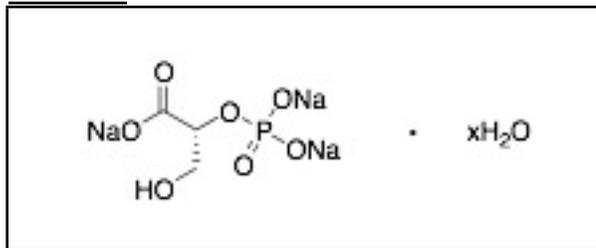
Catalogue Number

P358000

Lot Number

9-WJS-105-4

Structure



Product Name

D-(+)-2-Phosphoglyceric Acid Sodium Hydrate (~90%)

Synonyms

(R)-3-Hydroxy-2-(phosphonoxy)propanoic Acid Trisodium Salt;

CAS Number

70195-25-4

Solubility

Aqueous Acid (Slightly), Methanol (Slightly), Water (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

$C_3H_4Na_3O_7P \cdot xH_2O$

Source of Product

Synthetic

Long Term Storage Conditions

-20°C, Hygroscopic

Molecular Weight

252.00 + x(18.02)

Purity

>95%

2. Warnings

Hygroscopic

3. Analytical Information

Tests

Appearance

Specifications

White to Off-White Solid

Results

White Solid

NMR

Conforms to Structure

Conforms

P NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 10.77, %H: 3.41

HPLC Purity

>95%

98.20% (ELSD)

MS

Conforms to Structure

Conforms

Water Content

Report Result

10.8% by Karl Fischer

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 $\pm 2\%$. 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

Henry Tieu
Product Quality Specialist

Reviewed by

Toni Rantanen
Manager, Quality Assurance

C of A Approved by

Christina Gouliaras
Quality Assurance Associate

Test Date

3/1/2024

Retest Date

2/28/2028