



CERTIFICATE OF ANALYSIS

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1. Identification

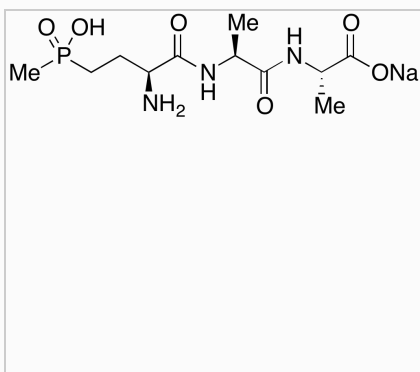
Catalogue Number: B372300

CAS Number: 71048-99-2

Product: Bialaphos Sodium Salt

Synonym: (2S)-2-Amino-4-(hydroxymethylphosphinyl)butanoyl-L-alanyl-L-alanine Monosodium Salt; ?-(Hydroxymethylphosphinyl)-L-?-aminobutyryl-L-alanyl-L-alanine Monosodium Salt; Bilanafos Sodium Salt; Herbi-Ace; Herbie; MW 801; SF 1293

Structure:



Molecular Formula:

C₁₁H₂₁N₃NaO₆P

Molecular weight:

345.26

Source of Product:

N/A

Solubility:

Methanol (Slightly), Water (Slightly)

Lot Number: 711938537-1-1

Purity: 98%

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

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Pale Beige Solid	Pale Yellow to Pale Beige Solid
NMR	Conforms to Structure	Conforms
P NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 35.13, %H: 5.81, %N: 10.62
HPLC Purity	Report Result	98.53% (ELSD)
MS	Conforms to Structure	Conforms
Sodium Content	Report Result	6.0%
Specific Rotation	Report Result	-20.0° (c = 0.1, Water)

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

Nicole Yip



Reviewed By

Toni Rantanen



**C of A Approved
By**

Chanell Chu



Test Date

1/23/2024

Retest Date

1/21/2028