



CERTIFICATE OF ANALYSIS

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1. Identification

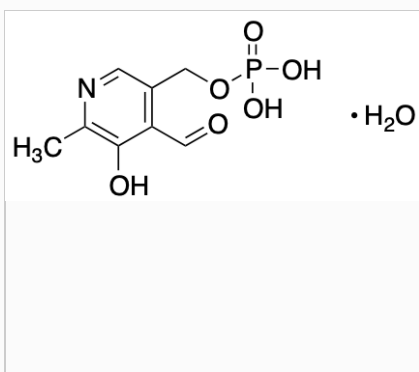
Catalogue Number: F700523

CAS Number: 41468-25-1

Product: (4-Formyl-5-hydroxy-6-methylpyridin-3-yl)methyl Dihydrogen Phosphate Hydrate

Synonym: 4-Pyridinecarboxaldehyde, 3-hydroxy-2-methyl-5-[(phosphonoxy)methyl]-, monohydrate (9CI); MC 1; Pyridoxal 5'-phosphate monohydrate

Structure:



Molecular Formula:

C₈H₁₀NO₆P • H₂O

Molecular weight:

247.14 + 18.02

Source of Product:

N/A

Solubility:

Acetonitrile (Slightly), DMSO (Slightly), Methanol (Slightly)

Lot Number: 2022-ASA-028

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 Beige Solid	Off-White to Pale Beige Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 35.34, %H: 4.70, %N: 5.14
HPLC Purity	Report Result	97.01% (295 nm)
MS	Conforms to Structure	Conforms
P NMR	Conforms to Structure	Conforms
Water Content	Report Result	6.5% 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 ± 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
Sarbjeet Kaur	Toni Rantanen	Chanell Chu	11/8/2022	11/6/2026