



CERTIFICATE OF ANALYSIS

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1. Identification

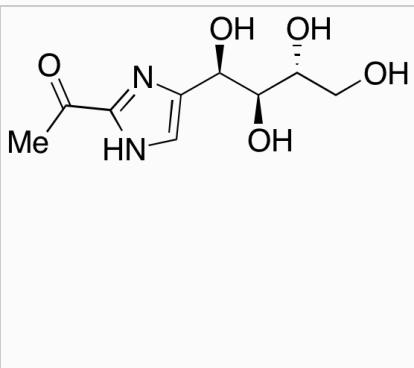
Catalogue Number: A188490

CAS Number: 94944-70-4

Product: (R,S,R)-2-Acetyl-4-(1,2,3,4-tetrahydroxybutyl)-imidazole

Synonym: 1-[5-[(1R,2S,3R)-1,2,3,4-Tetrahydroxybutyl]-1H-imidazol-2-yl]-ethanone; [1R-(1R*,2S*,3R*)]-1-[4-(1,2,3,4-Tetrahydroxybutyl)-1H-imidazol-2-yl]-ethanone

Structure:



Molecular Formula:

C₉H₁₄N₂O₅

Molecular weight:

230.22

Source of Product:

Synthetic

Solubility:

Aqueous Acid (Slightly),
DMSO (Slightly)

Lot Number: 5-EKP-70-1

Purity: 96%

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 Light Brown Solid	Pale Beige Solid
NMR	Conforms to Structure	Conforms
HPLC Purity	Report Result	94.80% (285 nm)
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 $\pm 2\%$. 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	Reviewed By	C of A Approved By	Test Date	Retest Date
Meenakshi Sharma	Toni Rantanen	Chanell Chu	1/25/2024	1/23/2028