



CERTIFICATE OF ANALYSIS

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1. Identification

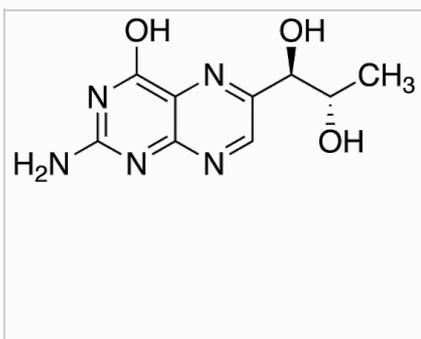
Catalogue Number: B389020

CAS Number: 22150-76-1

Product: Biopterin

Synonym: 2-Amino-6-[(1R,2S)-1,2-dihydroxypropyl]-4(1H)-pteridinone; (-)-Biopterin; 6-Biopterin; L-Biopterin; L-erythro-Biopterin; NSC 339699; Pterin H B2;

Structure:



Molecular Formula:

C₉H₁₁N₅O₃

Molecular weight:

237.22

Source of Product:

N/A

Solubility:

Aqueous Acid (Slightly)

Lot Number: 2023-CPO-024

Purity: 95%

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 Yellow Solid	Pale Yellow to Pale Green Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 42.07, %H: 4.73, %N: 28.47
HPLC Purity	Report Result	95.23% (275 nm)
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	-65.5° (c = 0.2, 0.1 N HCl)

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

1/26/2023

1/24/2027