



CERTIFICATE OF ANALYSIS

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1. Identification

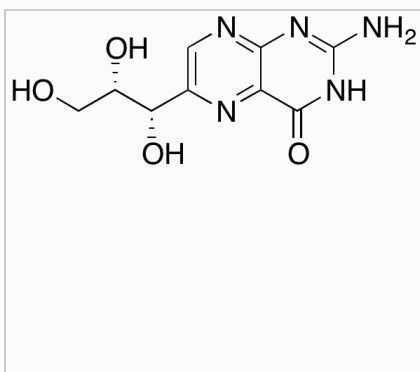
Catalogue Number: M505650

CAS Number: 2277-42-1

Product: L-Monapterin

Synonym: L-threo-1-(2-Amino-4-hydroxy-6-pteridiny)-1,2,3-propanetriol; [S-(R*,R*)]-2-amino-6-(1,2,3-trihydroxypropyl)-4(1H)pteridinone; #2-Amino-6-[(1S,2S)-1,2,3-trihydroxypropyl]-4(1H)-pteridinone; #2-Aino-6-(L-threo-trihydroxypropyl)-4(3H)-Pteridinone; L-(+)-Monapterin; L-6-(threo-1',2',3'-Trihydroxypropyl)pterin; L-Monapterin; L-threo-Monapterin; L-threo-Neopterin; L-(+)-Monapterin; L-threo-Neopterin;

Structure:



Molecular Formula:

C₉H₁₁N₅O₄

Molecular weight:

253.21

Source of Product:

Synthetic

Solubility:

Aqueous Acid (Slightly),
Aqueous Base (Slightly)

Lot Number: 22-JQW-81-1

Purity: 98%

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	Pale Orange to Light Orange Solid	Light Orange Solid
NMR	Conforms to Structure	Conforms
HPLC Purity	Report Result	98.92% (275 nm)
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	+107.7° (c = 0.2, 2N 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
Nicole Yip	Toni Rantanen	Chanell Chu	9/12/2022	9/10/2026
				