



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-476443  
Lot Number: SAMPLE  
Product Name: L-Primapterin  
CAS Number: 2636-52-4  
Molecular Formula:  $C_9H_{11}N_5O_3$   
Molecular Weight: 237.22  
Native Source: Synthetic

Test	Specification	Result
Appearance		Beige solid
Identification (1H-NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Purity (TLC)		97%
Atmosphere		Inert gas
Melting Point		> 265 °C (dec.)
Solubility		Aqueous Acid (Slightly, Sonicated)
Specific Rotation		-53.6° (c = 0.1, 0.1N HCl)
Carbon Content	45.57%	41.73%
Hydrogen Content	4.67%	5.04%
Nitrogen Content	29.52%	26.22%
Water Content		7.0% based on Elemental Analysis

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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