

## 1. Identification

Catalogue Number

S258913

Lot Number

10-WAI-50-1

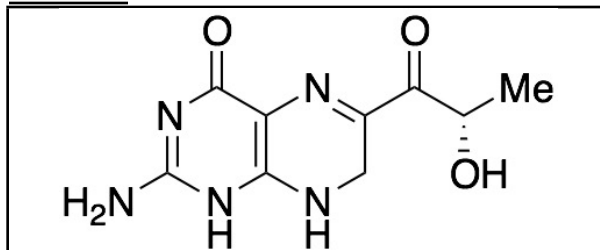
Product Name

L-Sepiapterin (>90%)

Synonyms

Sepiapterine; 2-Amino-7,8-dihydro-6-[(2S)-2-hydroxy-1-oxopropyl]-4(3H)-pteridinone

Structure



CAS Number

17094-01-8

Solubility

Aqueous Base (Slightly), DMSO (Slightly), Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C<sub>9</sub>H<sub>11</sub>N<sub>5</sub>O<sub>3</sub>

Source of Product

Synthetic

Long Term Storage Conditions

4°C, Inert atmosphere, Light sensitive

Molecular Weight

237.22

Purity

>90%

## 2. Warnings

Light Sensitive

## 3. Analytical Information

Tests

Appearance

Specifications

Yellow to Dark Yellow Solid

Results

Yellow Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 43.78, %H: 5.09, %N: 27.26

HPLC Purity

Report Result

90.25% (270 nm)

MS

Conforms to Structure

Conforms

Specific Rotation

Report Result

+255.4° (c = 0.2, 0.1N NaOH)

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

R. Swathi

swathi reddy

Product Quality Specialist

Reviewed by

Toni Rantanen

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Chanell Chu

Chanell Chu

Quality Assurance Associate

Test Date

11/16/2023

Retest Date

11/14/2027