

## 1. Identification

### Catalogue Number

P840110

### Lot Number

1-DXX-167-1

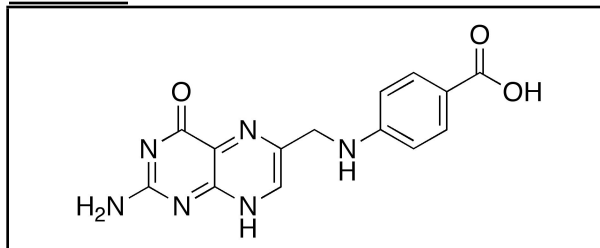
### Product Name

Pterotic Acid (>85%)

### Synonyms

4-[[[(2-Amino-3,4-dihydro-4-oxo-6-pteridiny)l)methyl]amino]benzoic Acid; NSC 14972; Pyrofolic acid; p-[(2-Amino-4-hydroxy-6-pteridyl)methyl]amino]benzoic Acid; Methotrexate EP Impurity D N-Desmethyl Impurity

### Structure



### CAS Number

119-24-4

### Solubility

Aqueous Base (Slightly), DMSO  
(Very Slightly)

### Shipping Condition

This Product Is Stable To Be Shipped At Room  
Temperature

### Molecular Formula

C<sub>14</sub>H<sub>12</sub>N<sub>6</sub>O<sub>3</sub>

### Source of Product

N/A

### Long Term Storage Conditions

-20°C, Hygroscopic

### Molecular Weight

312.28

### Purity

>85%

## 2. Warnings

Hygroscopic

## 3. Analytical Information

### Tests

Appearance

### Specifications

Light Yellow to Dark Yellow Solid

### Results

Dark Yellow Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 48.37, %H: 3.84, %N: 24.55

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 ± 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

Nicole Yip

Product Quality Specialist

### Reviewed by

Toni Rantanen

Manager, Quality Assurance

### C of A Approved by

Chanell Chu

Quality Assurance Associate

### Test Date

7/14/2024

### Retest Date

7/12/2028