

1. Identification

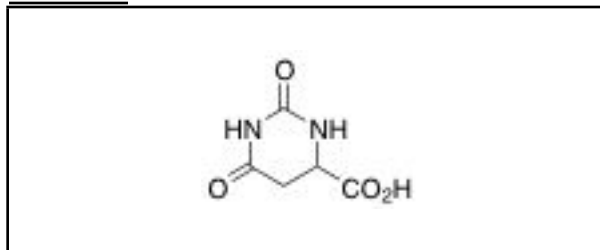
Catalogue Number

D449970

Lot Number

712135298-1-1

Structure



Product Name

DL-Dihydroorotic Acid

Synonyms

Hydroorotic Acid; (±)-Dihydroorotic Acid; 4,5-Dihydroorotic Acid; 5,6-Dihydroorotic Acid; 5,6-Dihydrouracil-6-carboxylic Acid; 6-Hydrouracilcarboxylic Acid; DL-4,5-Dihydroorotic Acid; Dihydro-DL-orotic Acid; Dihydroorotic Acid

CAS Number

155-54-4

Solubility

DMSO (Slightly), Methanol (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₅H₆N₂O₄

Source of Product

N/A

Long Term Storage Conditions

-20°C, Inert atmosphere

Molecular Weight

158.11

Purity

>95%

2. Warnings

Not Determined

3. Analytical Information

Tests

Appearance

Specifications

White to Off-White Solid

Results

White to Off-White Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 36.61, %H: 3.57, %N: 16.89

HPLC Purity

>95%

99.79% (220 nm)

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

R. Reddy

Reviewed by

Toni Rantanen

C of A Approved by

Christina Gouliaras

Test Date

1/10/2025

Retest Date

1/8/2029

Swathi Reddy

Manager, Quality Assurance

Quality Assurance Associate

Product Quality Specialist

Quality Assurance Associate

Quality Assurance Associate