Creative Enzymes®

L-4,5-Dihydroorotic acid

Cat. No. CEGZ-6575

Lot. No. (See product label)

Introduction

Description	L-4,5-Dihydroorotic acid is a pyrimidine intermediate and the endogenous substrate of dihydroorotate dehydrogenase (DHODH), an enzyme in the de novo pyrimidine biosynthesis pathway.
Applications	Dihydroorotate dehydrogenase (DHODH) substrate; pyrimidine de novo synthesis research; biomarker studies for DHODH inhibitor development.

Product Information

Appearance	White to off-white crystalline powder
CAS No.	5988-19-2
Molecular Formula	C5H6N2O4
Molecular Weight	158.11 g/mol
Melting Point	254–255 °C (dec.)(lit.)
Boiling Point	283.16 °C (rough estimate)
Quality	≥99% (as offered)
Refractive Index	1.519
Density	1.524 g/cm³
Grade	Research grade

Usage and Packaging

Package	As requested

Storage and Shipping Information

Storage	Store in a tightly closed container at room temperature, protected from moisture and light.