

thymine dioxygenase

Cat. No. EXWM-0674

Lot. No. (See product label)

Introduction

Description

Requires Fe²⁺ and ascorbate. Also acts on 5-hydroxymethyluracil to oxidize its -CH₂OH group first to -CHO and then to -COOH.

Synonyms

thymine 7-hydroxylase; 5-hydroxy-methyluracil dioxygenase; 5-hydroxymethyluracil oxygenase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.11.6

CAS No.

37256-67-0

Reaction

thymine + 2-oxoglutarate + O₂ = 5-hydroxymethyluracil + succinate + CO₂

Notes

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.