

D-glutamate oxidase

Cat. No. EXWM-1483

Lot. No. (See product label)

Introduction

Description

This enzyme belongs to the family of oxidoreductases, specifically those acting on the CH-NH₂ group of donors with oxygen as acceptor. The systematic name of this enzyme class is D-glutamate:oxygen oxidoreductase (deaminating). Other names in common use include D-glutamic oxidase, and D-glutamic acid oxidase. This enzyme participates in d-glutamine and d-glutamate metabolism.

Synonyms

D-glutamic oxidase; D-glutamic acid oxidase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.4.3.7

CAS No.

37255-41-7

Reaction

D-glutamate + H₂O + O₂ = 2-oxoglutarate + NH₃ + H₂O₂

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.