Creative Enzymes®

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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.