proline dehydrogenase

Cat. No. EXWM-1557

Lot. No. (See product label)

Introduction

Description	A flavoprotein (FAD). The electrons from L-proline are transferred to the FAD cofactor, and from there to a quinone acceptor. In many organisms, ranging from bacteria to mammals, proline is oxidized to glutamate in a two-step process involving this enzyme and EC 1.2.1.88, L-glutamate γ-semialdehyde dehydrogenase. Both activities are carried out by the same enzyme in enterobacteria.
Synonyms	L-proline dehydrogenase; L-proline:(acceptor) oxidoreductase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.5.5.2
CAS No.	9050-70-8
Reaction	L-proline + a quinone = (S)-1-pyrroline-5-carboxylate + a quinol
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 ℃.