

indoleamine 2,3-dioxygenase

Cat. No. EXWM-0571 Lot. No. (See product label)

Introduction	
Description	A protohemoprotein. Requires ascorbic acid and methylene blue for activity. This enzyme has broader substrate specificity than EC 1.13.11.11, tryptophan 2,3- dioxygenase. It is induced in response to pathological conditions and host-defense mechanisms and its distribution in mammals is not confined to the liver. While the enzyme is more active with D-tryptophan than L-tryptophan, its only known function to date is in the metabolism of L-tryptophan. Superoxide radicals can replace O2 as oxygen donor. IDO (ambiguous); tryptophan pyrrolase (ambiguous); D-tryptophan:oxygen 2,3-
Synonyms	oxidoreductase (decyclizing)
Product Information	
Form	Liquid or lyophilized powder
EC Number	EC 1.13.11.52
CAS No.	9014-51-1
Reaction	(1) D-tryptophan + O2 = N-formyl-D-kynurenine; (2) L-tryptophan + O2 = N-formyl-L-kynurenine
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 1.4 °C for chart term. For long term storage, store it at 20 °C 90 °C

Storage

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