Creative Enzymes®

benzoate 1,2-dioxygenase

Cat. No. EXWM-0679

Lot. No. (See product label)

Introduction

Description	A system, containing a reductase which is an iron-sulfur flavoprotein (FAD), and an iron-sulfur oxygenase. Requires Fe2+.
Synonyms	benzoate hydroxylase; benzoate hydroxylase; benzoic hydroxylase; benzoate dioxygenase; benzoate,NADH:oxygen oxidoreductase (1,2-hydroxylating, decarboxylating) [incorrect]

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.14.12.10
CAS No.	9059-18-1
Reaction	benzoate + NADH + H+ + O2 = (1R,6S)-1,6-dihydroxycyclohexa-2,4-diene-1-carboxylate + NAD+
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 ℃.