Creative Enzymes®

phthalate 4,5-dioxygenase

Cat. No. EXWM-0695

Lot. No. (See product label)

Introduction

Description	A system, containing a reductase which is an iron-sulfur flavoprotein (FMN), an iron-sulfur oxygenase, and no independent ferredoxin. Requires Fe2+.
Synonyms	PDO phthalate dioxygenase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.14.12.7
CAS No.	63626-44-8
Reaction	phthalate + NADH + H+ + O2 = cis-4,5-dihydroxycyclohexa-1(6),2-diene-1,2-dicarboxylate + 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 ℃.