

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