Creative Enzymes®

2-halobenzoate 1,2-dioxygenase

Cat. No. EXWM-0682

Lot. No. (See product label)

Introduction

Description	A multicomponent enzyme system composed of a dioxygenase component and an electron transfer component. The latter contains FAD. The enzyme, characterized from the bacterium Burkholderia cepacia 2CBS, has a broad substrate specificity. Substrates include 2-fluorobenzoate, 2-chlorobenzoate, 2-bromobenzoate, and 2-iodobenzoate, which are processed in this order of preference.
Synonyms	2-chlorobenzoate 1,2-dioxygenase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.14.12.13
CAS No.	125268-83-9
Reaction	a 2-halobenzoate + NADH + H+ + O2 = catechol + a halide anion + NAD+ + CO2
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 ℃.