

## 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<sup>+</sup> + O<sub>2</sub> = catechol + a halide anion + NAD<sup>+</sup> + CO<sub>2</sub>

#### 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.