

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