

salicylate 5-hydroxylase

Cat. No. EXWM-0770

Lot. No. (See product label)

Introduction

Description

This enzyme, which was characterized from the bacterium *Ralstonia* sp. U2, comprises a multicomponent system, containing a reductase that is an iron-sulfur flavoprotein (FAD; EC 1.18.1.7, ferredoxin-NAD(P)⁺ reductase), an iron-sulfur oxygenase, and ferredoxin.

Synonyms

nagG (gene name); nagH (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.14.13.172

Reaction

salicylate + NADH + H⁺ + O₂ = 2,5-dihydroxybenzoate + NAD⁺ + H₂O

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.