Creative Enzymes®

abieta-7,13-dien-18-al dehydrogenase

Cat. No. EXWM-1176

Lot. No. (See product label)

Introduction

Description	Abietic acid is the principle component of conifer resin. This enzyme catalyses the last step of the pathway of abietic acid biosynthesis in Abies grandis (grand fir). The activity has been demonstrated in cell-free stem extracts of A. grandis, was present in the cytoplasm, and required NAD+ as cofactor. The enzyme is expressed constitutively at a high level, and is not inducible by wounding of the plant tissue.
Synonyms	abietadienal dehydrogenase (ambiguous)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.2.1.74
Reaction	abieta-7,13-dien-18-al + H2O + NAD+ = abieta-7,13-dien-18-oate + NADH + H+
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 ℃.