

## xanthoxin dehydrogenase

Cat. No. EXWM-0196 Lot. No. (See product label)

Introduction	
Description	Requires a molybdenum cofactor for activity. NADP+ cannot replace NAD+ and short-chain alcohols such as ethanol, isopropanol, butanol and cyclohexanol cannot replace xanthoxin as substrate. Involved in the abscisic-acid biosynthesis pathway in plants, along with EC 1.2.3.14 (abscisic-aldehyde oxidase), EC 1.13.11.51 (9-cis-epoxycarotenoid dioxygenase) and EC 1.14.13.93 [(+)-abscisic acid 8'-hydroxylase]. Abscisic acid is a sesquiterpenoid plant hormone that is involved in the control of a wide range of essential physiological processes, including seed development, germination and responses to stress.
Synonyms	xanthoxin oxidase; ABA2
Product Information	
Form	Liquid or lyophilized powder
EC Number	EC 1.1.1.288
CAS No.	129204-37-1
Reaction	xanthoxin + NAD+ = abscisic aldehyde + 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.