Creative Enzymes®

nicotianamine aminotransferase

Cat. No. EXWM-2921

Lot. No. (See product label)

Introduction

Description	A pyridoxal-phosphate protein. This enzyme is produced by grasses. They secrete both the nicotianamine and the transaminated product into the soil around them. Both compounds chelate iron(II) and iron(III); these chelators, called mugineic acid family phytosiderophores, are taken up by the grass, which is thereby supplied with iron.
Synonyms	NAAT; NAAT-I; NAAT-II; NAAT-III; nicotianamine transaminase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.6.1.80
CAS No.	154907-64-9
Reaction	nicotianamine + 2-oxoglutarate = 3''-deamino-3''-oxonicotianamine + L-glutamate
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 ℃.