

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