

## arylalkylamine N-acetyltransferase

Cat. No. EXWM-2268

Lot. No. (See product label)

### Introduction

#### Description

Narrow specificity towards 2-arylethylamines, including serotonin (5-hydroxytryptamine), tryptamine, 5-methoxytryptamine and phenylethylamine. This is the penultimate enzyme in the production of melatonin (5-methoxy-N-acetyltryptamine) and controls its synthesis (cf. EC 2.1.1.4, acetylserotonin O-methyltransferase). Differs from EC 2.3.1.5 arylamine N-acetyltransferase.

#### Synonyms

serotonin acetyltransferase; serotonin acetylase; arylalkylamine N-acetyltransferase; serotonin N-acetyltransferase; AANAT; melatonin rhythm enzyme

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.3.1.87

#### CAS No.

92941-56-5

#### Reaction

acetyl-CoA + a 2-arylethylamine = CoA + an N-acetyl-2-arylethylamine

#### 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.