

## maltose O-acetyltransferase

Cat. No. EXWM-2259

Lot. No. (See product label)

### Introduction

#### Description

Not identical with EC 2.3.1.18, galactoside O-acetyltransferase. The acetyl group is added exclusively to the C6 position of glucose and to the C6 position of the non-reducing glucose residue of maltose. Other substrates of this enzyme are glucose, which is a better substrate than maltose, and mannose and fructose, which are poorer substrates than maltose. Isopropyl- $\beta$ -thio-galactose, which is a good substrate for EC 2.3.1.118 is a poor substrate for this enzyme.

#### Synonyms

maltose transacetylase; maltose O-acetyltransferase; MAT

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.3.1.79

#### CAS No.

81295-47-8

#### Reaction

acetyl-CoA + maltose = CoA + 6-O-acetyl- $\alpha$ -D-glucopyranosyl-(1 $\rightarrow$ 4)-D-glucose

#### 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.