

## UDP-sulfoquinovose synthase

Cat. No. EXWM-3778

Lot. No. (See product label)

### Introduction

#### Description

Requires NAD<sup>+</sup>, which appears to oxidize UDP- $\alpha$ -D-glucose to UDP-4-dehydroglucose, which dehydrates to UDP-4-dehydro-6-deoxygluc-5-enose, to which sulfite is added. The reaction is completed when the substrate is rehydrogenated at C-4. The enzyme from *Arabidopsis thaliana* is specific for UDP-Glc and sulfite.

#### Synonyms

sulfite:UDP-glucose sulfotransferase; UDPsulfoquinovose synthase; UDP-6-sulfo-6-deoxyglucose sulfohydrolase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 3.13.1.1

#### Reaction

UDP- $\alpha$ -D-sulfoquinovopyranose + H<sub>2</sub>O = UDP- $\alpha$ -D-glucose + sulfite

#### 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.