

## bile-salt sulfotransferase

Cat. No. EXWM-3372

Lot. No. (See product label)

### Introduction

#### Description

The formation of sulfate esters of bile acids is an essential step in the prevention of toxicity by monohydroxy bile acids in many species. This enzyme is both a bile salt and a 3-hydroxysteroid sulfotransferase. In addition to the 5 $\beta$ -bile acid glycolithocholate, deoxycholate, 3 $\beta$ -hydroxy-5-cholenoate and dehydroepiandrosterone (3 $\beta$ -hydroxyandrost-5-en-17-one) also act as substrates [see also EC 2.8.2.2 (alcohol sulfotransferase) and EC 2.8.2.34 (glycochenodeoxycholate sulfotransferase)]. May be identical to EC 2.8.2.2.

#### Synonyms

BAST I; bile acid:3'-phosphoadenosine-5'-phosphosulfate sulfotransferase; bile salt:3'-phosphoadenosine-5'-phosphosulfate:sulfotransferase; bile acid sulfotransferase I; glycolithocholate sulfotransferase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.8.2.14

#### CAS No.

65802-92-8

#### Reaction

(1) 3'-phosphoadenylyl sulfate + glycolithocholate = adenosine 3',5'-bisphosphate + glycolithocholate 3-sulfate; (2) 3'-phosphoadenylyl sulfate + tauroolithocholate = adenosine 3',5'-bisphosphate + tauroolithocholate sulfate

#### 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.