

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 β -bile acid glycolithocholate, deoxycholate, 3 β -hydroxy-5-cholenoate and dehydroepiandrosterone (3 β -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.