Creative Enzymes®

bile acid-CoA:amino acid N-acyltransferase

Cat. No. EXWM-2245

Lot. No. (See product label)

Introduction

Description	Also acts on CoA derivatives of other bile acids. Taurine and 2-fluoro-β-alanine can act as substrates, but more slowly. The enzyme can also conjugate fatty acids to glycine and can act as a very-long-chain acyl-CoA thioesterase. Bile-acid-amino-acid conjugates serve as detergents in the gastrointestinal tract, solubilizing long chain fatty acids, mono- and diglycerides, fat-soluble vitamins and cholesterol. This is the second enzyme in a two-step process leading to the conjugation of bile acids with amino acids; the first step is the conversion of bile acids into their acyl-CoA thioesters, which is catalysed by EC 6.2.1.7, cholate-CoA ligase.
Synonyms	glycine-taurine N-acyltransferase; amino acid N-choloyltransferase; BAT; glycine N-choloyltransferase; BACAT; cholyl-CoA glycine-taurine N-acyltransferase; cholyl-CoA:taurine N-acyltransferase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.3.1.65
CAS No.	65979-40-0
Reaction	choloyl-CoA + glycine = CoA + glycocholate
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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.