

tropine acyltransferase

Cat. No. EXWM-2127

Lot. No. (See product label)

Introduction

Description

This enzyme exhibits absolute specificity for the endo/3 α configuration found in tropine as pseudotropine (tropan-3 β -ol; see EC 2.3.1.186, pseudotropine acyltransferase) is not a substrate. Acts on a wide range of aliphatic acyl-CoA derivatives, with tigloyl-CoA and acetyl-CoA being the best substrates. It is probably involved in the formation of the tropane alkaloid littorine, which is a precursor of hyoscyamine.

Synonyms

tropine:acyl-CoA transferase; acetyl-CoA:tropan-3-ol acyltransferase; tropine acetyltransferase; tropine tigloyltransferase; TAT

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.3.1.185

CAS No.

138440-79-6, 162535-29-7

Reaction

an acyl-CoA + tropine = CoA + an O-acyltropine

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.