

3-[(3aS,4S,7aS)-7a-methyl-1,5-dioxo-octahydro-1H-inden-4-yl]propanoate-CoA ligase

Cat. No. EXWM-5700

Lot. No. (See product label)

Introduction

Description The enzyme, characterized from actinobacterium Mycobacterium tuberculosis, catalyses a step in the degradation of cholesterol and cholate. The enzyme is very specific for its substrate, and requires that the side chain at C17 is completely removed.

Synonyms fadD3 (gene name); HIP-CoA ligase

Product Information

Form Liquid or lyophilized powder

EC Number EC 6.2.1.41

Reaction $\text{ATP} + 3\text{-}[(3\text{aS},4\text{S},7\text{aS})\text{-}7\text{a-methyl-1,5-dioxo-octahydro-1H-inden-4-yl]propanoate} + \text{CoA} = \text{AMP} + \text{diphosphate} + 3\text{-}[(3\text{aS},4\text{S},7\text{aS})\text{-}7\text{a-methyl-1,5-dioxo-octahydro-1H-inden-4-yl]propanoyl-CoA}$

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.