Creative Enzymes®

# (R)-3-hydroxyacid-ester dehydrogenase

*Cat. No. EXWM-0186*

*Lot. No.* (See product label)

## Introduction

| | |
|---|---|
| ***Description*** | Also acts on ethyl (R)-3-oxobutanoate and some other (R)-3-hydroxy acid esters. The (R)- symbol is allotted on the assumption that no substituents change the order of priority from O-3 > C-2 > C-4. A subunit of yeast fatty acid synthase EC 2.3.1.86 fatty-acyl-CoA synthase). cf. EC 1.1.1.280 (S)-3-hydroxyacid ester dehydrogenase. |
| ***Synonyms*** | 3-oxo ester (R)-reductase |

## Product Information

| | |
|---|---|
| ***Form*** | Liquid or lyophilized powder |
| ***EC Number*** | EC 1.1.1.279 |
| ***CAS No.*** | 114705-02-1 |
| ***Reaction*** | ethyl (R)-3-hydroxyhexanoate + NADP+ = ethyl 3-oxohexanoate + NADPH + H+ |
| ***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 ℃. |