1. How many rounds of β-Oxidation can the fatty acyl CoA chain below go through before another enzyme is needed? What enzyme(s) would be used to change the position of the double bond?

\[ \text{O} \quad \text{S-CoA} \]

1 round

\[ \Delta^3 \Delta^2 \text{ enoyl CoA isomerase} \]

2. Draw the substrate and product of β-hydroxyacyl ACP dehydratase in the first round of lipid biosynthesis.

\[ \text{OH} \quad \text{O} \quad \text{S-ACP} \quad \rightarrow \quad \text{O} \quad \text{S-ACP} \]