

13. One method of producing biodiesel is by a transesterification reaction where triglycerides are converted into simpler methyl esters (the biodiesel) of the fatty acids. Which one of the following is a reactant of this transesterification reaction?

<p>(a)</p> $ \begin{array}{c} \text{H} \\ \\ \text{H}-\text{C}-\text{O}-\text{C}-\text{R} \\ \\ \text{H} \end{array} $	<p>(b)</p> $ \begin{array}{c} \text{H} \\ \\ \text{H}-\text{C}-\text{OH} \\ \\ \text{H}-\text{C}-\text{OH} \\ \\ \text{H}-\text{C}-\text{OH} \\ \\ \text{H} \end{array} $
<p>(c)</p> $ \begin{array}{c} \text{H} \qquad \text{O} \\ \qquad \\ \text{H}-\text{C}-\text{O}-\text{C}-\text{R} \\ \\ \text{H}-\text{C}-\text{O}-\text{C}-\text{R} \\ \\ \text{H}-\text{C}-\text{O}-\text{C}-\text{R} \\ \\ \text{H} \end{array} $	<p>(d)</p> $ \begin{array}{c} \text{H} \qquad \text{O} \\ \qquad \\ \text{H}-\text{C}-\text{C}-\text{OH} \\ \\ \text{H}-\text{C}-\text{C}-\text{OH} \\ \\ \text{H}-\text{C}-\text{C}-\text{OH} \\ \\ \text{H} \end{array} $