The structure of the citrus bitter principle limonin was determined in 1960. The number of structurally defined members of this class of natural products (now called limonoids) has grown to several hundred. However, all of these compounds are derivable by such biosynthetic processes from the simpler predecessor shown below.

intermediate for the biosynthesis of limonoids

The last step in a recent synthesis of the above compound is shown below. Suggest a method for performing the following transformation. More than one step may be necessary.