

ABSTRACT

The present application provides O-tert-butyl-L-seryl-O-tert-butyl-L-seryl-glycine and a preparation method thereof. In the preparation process, N-benzyloxycarbonyl-O-tert-butyl-L-serine and O-tert-butyl-L-serine methyl ester are subjected to a condensation reaction to obtain an intermediate compound represented by formula (I), the compound represented by formula (I) and an alkaline compound are subjected to a saponification reaction to obtain an intermediate compound represented by formula (II), then the intermediate compound represented by formula (II) and glycine benzyl ester p-toluenesulfonate are subjected to a condensation reaction to obtain an intermediate compound represented by formula (III), and finally, the intermediate compound represented by formula (III) and hydrogen are subjected to a hydrogenation reaction to obtain the final product. The preparation method provided by the present application simplifies the process, features simple operation and mild reaction conditions, and reduces the difficulty of industrial production, and it does not involve precious raw materials and is conducive to controlling production costs, and the final product has a high purity and a high yield.

(No figure)