

ABSTRACT

Provided is a method for preparing water-soluble astaxanthin complex. The method includes mixing a raw material containing astaxanthin with a solution containing an organic acid and performing cell disruption and leaching and can enable natural astaxanthin to interact with components such as proteins, nucleic acids, or polysaccharides that naturally exist in the raw material, so as to directly prepare water-soluble astaxanthin complex without modifying astaxanthin. The method requires a natural source of astaxanthin, has low equipment requirements and production costs, is simple to operate, green and safe with no organic solvent residues, and easy to industrialize.

10 Fig. 1