

LONG-CHAIN COMPOSITION, LONG-CHAIN COMPOSITION SET, ITS PREPARATION AND APPLICATION THEREOF

Abstract

Disclosed is a long-chain composition or a long-chain composition set, a method for producing the same, and application thereof in the production of long-chain dibasic acids via fermentation. The long-chain composition comprises at least one long-chain alkane selected from the group consisting of C9-18 linear or branched alkanes and at least one long-chain carboxylic acid selected from the group consisting of C9-18 linear or branched, saturated or unsaturated aliphatic monocarboxylic acids, wherein the mass ratio of the long-chain alkane to the long-chain carboxylic acid ranges from 1 : 1 to 40 : 1. The long-chain composition has the advantages of higher fermentation degree or higher substrate utilization rate and the like, when used as a starting material in the production of long-chain dibasic acids via fermentation.

[No Figure]