

Particulate composition containing anhydrous crystalline 2-O- α -D-glucosyl-L-ascorbic acid, process for producing the same, and uses thereof

Abstract

The present invention aims to provide a particulate composition containing anhydrous crystalline 2-O- α -D-glucosyl-L-ascorbic acid having a significantly, hardly solidifiable property compared to conventional ones in a grade for use in quasi-drugs; a process for producing the same; and uses thereof.

The present invention solves the above object by providing a particulate composition containing anhydrous crystalline 2-O- α -D-glucosyl-L-ascorbic in an amount of over 98.0% by weight but less than 99.9% by weight, on a dry solid basis; or a degree of crystallinity of 90% or higher for anhydrous crystalline 2-O- α -D-glucosyl-L-ascorbic acid, when calculated based on a profile of powder X-ray diffraction analysis of the particulate composition, and a dynamic vapor sorption level of 0.01% by weight or lower, when kept at 25°C under a relative humidity of 35% by weight for 12 hours after removal water in the particulate composition under nitrogen gas stream; and by providing a process for producing the same and uses thereof.