

A method of biosynthesis of a plant growth regulator by means of cultivating *Cylindrocarpon magnesianum*, including obtaining a nutrient medium, containing glucose as a source of carbon, adding an inoculant, growing a producer and fermentating while mixing and aerating the medium. In doing so the glucose is added to the nutrient medium up to a total amount of 0.9 - 1.0 mass % by two stages.