

Acidithiobacillus ferrooxidans powder

Cat. No. PRBT-136

Lot. No. (See product label)

Introduction

Description

Acidithiobacillus ferrooxidans is a Gram-negative extremophile acidophile belonging to the phylum Pseudomonadota. It is a chemolithoautotrophic microorganism capable of oxidizing ferrous iron (Fe^{2+}) to ferric iron (Fe^{3+}) and reducing sulfur compounds to sulfuric acid, thereby obtaining energy. Therefore, Acidithiobacillus ferrooxidans can be used as a biofertilizer to dissolve iron in the soil and enhance nutrient availability, which is crucial for plants in iron-deficient soils. In addition, it has shown potential in environmental remediation and wastewater treatment.

Product Information

Form

Powder

Activity

1×10^8 CFU/g or 1×10^9 CFU/g