

Insulin-Transferrin-Selenium-Sodium Pyruvate Supplement (100x)

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Keep away from direct sunlight
4°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description

TargetMol Insulin-Transferrin-Selenium-Sodium Pyruvate Supplement (100x) is a high-quality additive commonly used in serum-free or low serum cell culture, providing critical nutritional support for cell growth and metabolism. Insulin promotes the uptake of glucose and amino acids by cells, enhancing cell proliferation; Transferrin is responsible for the transport of iron ions and maintaining normal cellular metabolic functions; Selenium, as an important trace element, participates in the regulation of antioxidant enzyme activity and helps maintain cell vitality and stability; Sodium pyruvate can serve as an important source of energy supplementation, participate in cellular energy metabolism, and to some extent buffer oxidative stress. This product has clear ingredients, stable batches, and is suitable for the cultivation of various adherent or suspended cells, effectively reducing serum dependence and improving experimental reproducibility and controllability.

This product is a 100 × concentrated solution, sterile filtered, and all raw materials do not contain animal derived substances. When used, it can be added to the basic culture medium at a ratio of 1:100. Adding this product to the culture system can reduce the amount of fetal bovine serum from the conventional 10% to 2-4% while ensuring cell growth.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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