

Sodium Pyruvate (100 mM)

S1199134

Storage: Store at 2-8°C

Introduction:

Sodium Pyruvate is the most common pyruvate salt, also known as sodium pyruvate or 2-oxopropanoate sodium salt. Its molecular formula is $C_3H_3NaO_3$, with a molecular weight of 110.04. As an intermediate product of glycolysis, Sodium Pyruvate can directly enter and exit cells. It is an essential nutrient for cellular metabolism and can serve as an energy source for cells when glucose is unavailable. It is one of the commonly used additives in cell culture.

Although cells can produce sodium pyruvate themselves, some cells require additional supplementation during in vitro culture. It can also be added in certain amounts during clonal culture and when reducing serum concentration. Additionally, sodium pyruvate helps reduce phototoxicity caused by fluorescent substances.

Usage method:

This product can be added to cell culture medium at a ratio of 1:100 for the culture of most cell types. Adjustments can be made appropriately according to cell type and culture medium.

Precautions:

1. This product has been sterilized by filtration.
2. Aseptic operation should be observed when using this product to avoid contamination.
3. This product is a 100mM concentrated solution; please dilute it as needed before use.
4. This product is for research use only and not for diagnostic or therapeutic purposes.