

Tris-Maleate Buffer (1mol/L, pH 5.2-8.6)

Cat #: A-CSH636

Size: 500mL

Storage: Room temperature (12 months)

Product Description

Tris is a weak base with the molecular formula $C_4H_{11}NO_3$ and a relative molecular weight of 121.14. Its pKa at 25°C is 8.1. The effective buffering range of Tris buffer is between pH 7.0 and 9.2. The pH of a Tris alkaline solution is around 10.5. By adding hydrochloric acid, the pH can be adjusted to the desired value, obtaining the corresponding buffer solution. Maleic acid, also known as cis-butenedioic acid, has the molecular formula $C_4H_4O_4$, a molecular weight of 116.07, and CAS number 110-16-7. It is a dicarboxylic acid. Tris and maleic acid are used together as a buffer solution for immunohistochemistry.

Tris-Maleate Buffer (1mol/L, pH 5.2-8.6) is prepared using Tris, maleic acid, deionized water, and other components. It is commonly used in immunohistochemistry experiments. The pH values available are 5.2, 5.4, 5.6, 5.8, 6.0, 6.2, 6.4, 6.6, 6.8, 7.0, 7.2, 7.4, 7.6, 7.8, 8.0, 8.2, 8.4, and 8.6.

Usage

Operate according to specific experimental requirements.

Notes

1. It can be irritating to the human body, so please take appropriate precautions.
2. For your safety and health, please wear laboratory attire and disposable gloves while handling.

Disclaimer

The reagent is only used in the field of scientific research, not suitable for clinical diagnosis or other purposes.