

Pyridoxine hydrochloride

Cell Culture Tested

Product Code: TC039

Product Description:

Molecular weight: 205.64

Molecular formula: $C_8H_{11}NO_3 \cdot HCl$

CAS No.: 58-56-0

Synonyms: Vitamin B6 hydrochloride, Adermine hydrochloride, Pyridoxal hydrochloride

Pyridoxine is one of the natural forms of Vitamin B6. It is an essential component of several classical cell culture media. It is often used as a substitute of pyridoxal hydrochloride which may cause

Within cells, pyridoxal is converted to the active form pyridoxal 5'-phosphate by enzyme pyridoxal kinase. Pyridoxal 5'-phosphate acts as a co-enzyme in a wide range of biochemical reactions including metabolism of amino acids and glycogen and the synthesis of nucleic acids, hemoglobin, sphingolipids, and certain neurotransmitters.

Pyridoxal hydrochloride is also used to label amino acids for their detection.

Directions of Use:

Preparation Instructions:

Pyridoxine hydrochloride is soluble in water. Prepared solutions can be sterilized by filtering through a sterile membrane filter with porosity of 0.22 microns. Do not autoclave the solution.

Quality Control:

Appearance

White to light yellow product

Solubility

Clear colorless to faint yellow solution at 10gm in 100ml of water

pH (10% solution in water)

2.50 – 3.50

Chloride (Cl)

17.0% – 17.6%

Assay

NLT 99%

Cell Culture Test

Passes

Storage and Shelf Life:

Store powder at 2-8°C in air tight container.

Protect from light and moisture.

Shelf life is 36 months.

Use before expiry date given on product label.

Revision No.: 01/2019

Disclaimer:

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