



Crystal violet

Cell Culture Tested

Product Code: TC510

Product Description :

Molecular weight: 407.98Molecular formula: $C_{25}H_{30}N_3Cl$ CAS No.: 548-62-9 Synonyms: Gentian violet, Methyl Violet 10B or Hexamethylpararosaniline chloride

Crystal violet is the monochloride salt of crystal violet cation. In cell culture, crystal violet finds its application in staining the nuclei of adherent cells. It is an intercalating dye, thus, can be used for determining cell number colorimetrically.

Crystal violet is also used as a tissue stain in the preparation of light microscopy sections and staining of cells grown in tissue culture for easy visibility under light microscope.

Quality Control:

Appearance

Green to green-brown crystals or powder or glistening pieces with metallic luster

Solubility

20 ppm in water yields clear dark purple solution

Absorption maxima 580.00 - 595.00

Loss on drying (at 110°C, 2 hr) NMT 10%

Cell Culture Test Passes

Storage and Shelf Life:

Store Crystal violet powder at 15-30°C away from bright light. Shelf life is 48 months. Use before expiry date given on the product label.

Revision: 0/2019

Disclaimer :

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