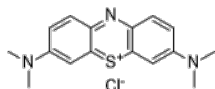


**Product Name** : Methylene Blue  
**Cat. No.** : PC-23175  
**CAS No.** : 61-73-4  
**Batch No.** : PC-2317501  
**Chemical Name** : 3,7-Bis(dimethylamino)phenothiazin-5-ium chloride

### PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Weight** : 319.85  
**Molecular Formula** : C<sub>16</sub>H<sub>18</sub>ClN<sub>3</sub>S  
**Storage** : Powder -20°C 12 Months  
4°C 6 Months  
In solvent -80°C 6 Months  
-20°C 1 Month

**Chemical Structure** :



### ANALYTICAL DATA

**Appearance** : Solid powder  
**<sup>1</sup>H NMR Spectrum** : Consistent with  
**HPLC** : Consistent with  
**NP** : Consistent with  
**Purity (HPLC and/or LCMS)** : >98%  
**Conclusion** : The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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