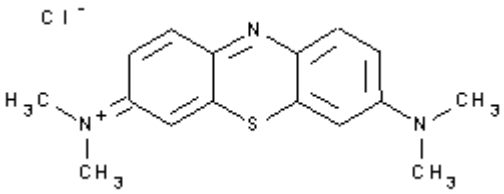
PanReac AppliChem ITW Reagents

PRODUCT CODE: 251170

Methylene Blue (C.I. 52015) for clinical diagnosis

Dye for bacteriology (Ziehl-Neelsen staining), Sanitary product for in vitro diagnostic class A.

$C_{16}H_{18}ClN_3S.xH_2O$



M.= 319,85 +H20 CAS [61-73-4] EINECS 200-515-2

TARIC 3204 13 00 90

SYNONYMS: 3,7-Bis(Dimethylamino)Pheno-5-thiazinium Chloride, C.I. Basic Blue 9, Tetramethylthionine Chloride

PHYSICAL DATA: crystalline powder, crystals, Dark green with bronze luster, in water at 20°C Thermal decom. above 180 °C • M.P.: 180 °C • pH3 •

BIBLIOGRAPHY: Merck Index **12,** 6.137 13**,** 6.085 Safety **2 , 2344 C** • Römp **8 , 2586** • Conn's **IX** 423, 604 • Beilstein **27 , 393 IV, 5152** • BRN 3599847 • BP**.2021** • USP **42** • Ph. Eur. **9.0** (2017) **10.0** (2020) •

HAZARDOUS: RTECS: SO 5600000 • LD L0 oral rbt 1.000 mg/kg • LD50 oral rat 1.180 mg/kg • LD50 ipr mus 150 mg/kg

H: H302 •
P: P264 • P270 • P301+P312 • P330 • P501 •

OBSERVATIONS: Storage between 20 and 25°C •

SPECIFICATIONS:

Assay (Spectrophotometric)	82%
Identity :	
Identity	IR passes test
Ratio lmax. P +/-15 nm	1,21 - 1,70
A 1% , 1 cm, λmax.(calc. a.d.s.)	>2200
λof max. ABS in H2O	663 - 667 nm
T.L.C.	passes test
Maximum limit of impurities	
Loss on drying at 110°C	8-16 %