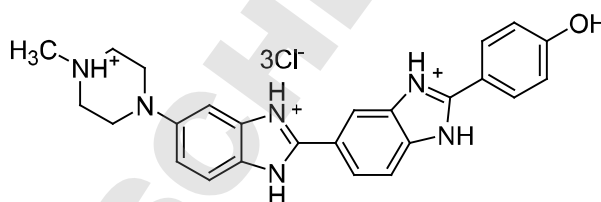


## PRODUCT AND SAFETY DATA SHEET

**PRODUCT NAME:** Hoechst 33258**CATALOG #** 40045**MOLECULAR INFORMATION:**  $C_{25}H_{27}Cl_3N_6O$   
MWt: 533.88  
[23491-45-4]**PROPERTIES:****Color & Form**

Pale yellow solid

**Solubility**

Soluble in water at upto 2%

**Absorption/Emission**

352/461 nm (DNA)

**Extinction****Coefficient****STORAGE AND**

Store at -20 °C and protect from light

**HANDLING:****APPLICATION:**

Hoechst dyes are cell membrane-permeant, minor groove-binding blue fluorescent DNA stains. Hoechst dye are widely used in cell cycle and apoptosis studies and also as nuclear counterstains. Biotium also offers Hoechst 33258 in solution (#40044).

Ref: 1) *Science* **282**, 296(1998); 2) *Biotech.Histochem.* **69**, 152(1994); 3) *Exp.Cell Res.* **211**, 322(1994)

**TOXICITY:**

Not established. Not listed by NTP, IARC or OSHA.

**FIRST AID:**

Potentially harmful. Avoid prolonged or repeated exposure. Avoid getting in eyes, on skin, or on clothing. Wash thoroughly after handling. If eye or skin contact occurs, wash affected areas with plenty of water for 15 minutes and seek medical advice. In case of inhaling or swallowing, move individual to fresh air and seek medical advice immediately.

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