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DATASHEET

Hoechst 33258 Staining Solution (10mg/ml)

Product overview

Name Hoechst 33258 Staining Solution (10mg/ml)
Cat No HB8505
Alternative names bisBenzimide; HO 33258; Hoechst-33258
Biological description 10mg/ml staining solution in water. Blue fluorescent DNA and nuclei stain which is frequently used in immunofluorescent work. Cell permeable but does not induce apoptosis.

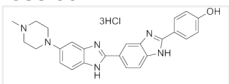
Hoechst 33258 **solid** also available in 25mg and 100mg.

Biological action Dyes & stains
Description Blue fluorescent nuclear DNA stain. 10mg/ml staining solution in water. **Solid** also available in 25mg and 100mg.

Solubility & Handling

Storage instructions +4 °C
Important This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use

Chemical Data

Chemical name Bisbenzimidazole trihydrochloride
Molecular Weight 533.88
Chemical structure

Molecular Formula C₂₅H₂₄N₆O.3HCl
CAS Number 23491-45-4

References

Hoechst 33258: a fluorescent nuclear counterstain suitable for double-labelling immunofluorescence.

Bainbridge DR et al (1983) Journal of immunological methods 62

PubMedID [6193197](#)

Binding of Hoechst 33258 and its derivatives to DNA.

Bazhulina NP et al (2009) Journal of biomolecular structure & dynamics 26

PubMedID [19385699](#)

The Hoechst 33258 covalent dimer covers a total turn of the double-stranded DNA.

Streltsov SA et al (2006) Journal of biomolecular structure & dynamics 24

PubMedID [17054387](#)

