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DATASHEET

Hoechst 33258 Staining Solution (10mg/ml)

Product overview

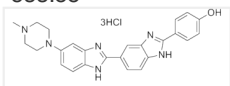
Name	Hoechst 33258 Staining Solution (10mg/ml)
Cat No	HB8505
Alternative names	bisBenzimidazole; HO 33258; Hoechst-33258
Biological description	10mg/ml staining solution in water. Blue fluorescent DNA and nuclei stain which is frequently used in immunofluorescent work. Cell permeable but does not induce 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	C ₂₅ H ₂₄ N ₆ O.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.

