

Hello Bio, Inc.  
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500  
F. 609-228-4994

customercare-usa@hellobio.com



## DATASHEET

Ethidium Bromide solution, 10mg/mL in H<sub>2</sub>O

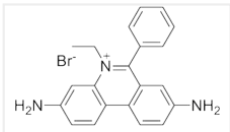
### Product overview

<b>Name</b>	Ethidium Bromide solution, 10mg/mL in H <sub>2</sub> O
<b>Cat No</b>	HB9326
<b>Biological description</b>	Intercalating DNA and RNA fluorescent dye which intercalates between base pairs. Fluorescence of dye increases when bound to double stranded DNA and RNA.
<b>Biological action</b>	It is commonly used in gel staining and other staining processes.
<b>Description</b>	Dyes & stains Intercalating DNA/RNA fluorescent dye

### Solubility & Handling

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

### Chemical Data

<b>Chemical name</b>	5-ethyl-6-phenylphenanthridin-5-ium-3,8-diamine;bromide
<b>Molecular Weight</b>	394.31
<b>Chemical structure</b>	
<b>Molecular Formula</b>	C <sub>21</sub> H <sub>20</sub> BrN <sub>3</sub>
<b>CAS Number</b>	1239-45-8
<b>PubChem identifier</b>	14710
<b>SMILES</b>	CC[N+]1=C2C=C(C=CC2=C3C=CC(=CC3=C1C4=CC=CC=C4)N)N.[Br-]
<b>InChiKey</b>	ZMMJGGLRURXTF-UHFFFAOYSA-N
<b>MDL number</b>	MFCD00011724

### References

#### The Effect of Ethidium Bromide on Mobility of DNA Fragments in Agarose Gel Electrophoresis

Sigmon and Larcom (1996) Electrophoresis 17(10)

**PubMedID** [8957173](#)

#### Ethidium Bromide Provides a Simple Tool for Identifying Genuine DNA-independent Protein Associations

Herr et al (1992) Proc Natl Acad Sci U S A 89(15)

**PubMedID** [1495986](#)