
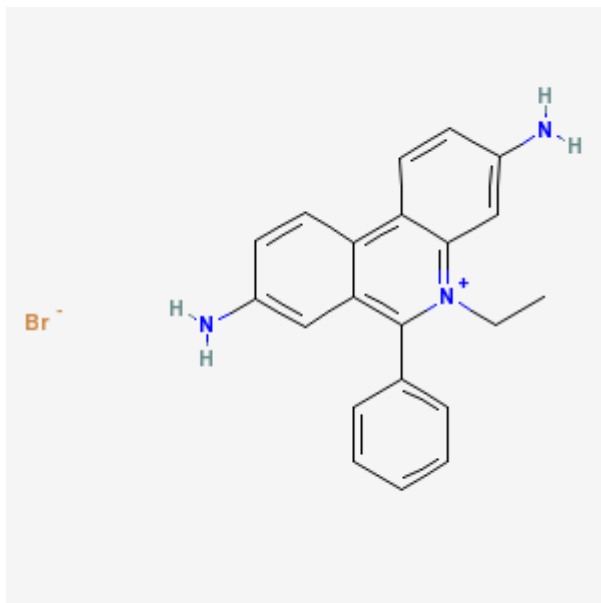


# Ethidium bromide

A trypanocidal agent and possible antiviral agent that is widely used in experimental cell biology and biochemistry. Ethidium has several experimentally useful properties including binding to nucleic acids, noncompetitive inhibition of nicotinic acetylcholine receptors, and fluorescence among others. It is most commonly used as the bromide.

|                          |  |
|--------------------------|--|
| <b>Name</b>              | Ethidium bromide <sup>1)</sup>   |
|                          | Dromilac, EtBr   |
| <b>MeSH</b>              |  <a href="#">68004996</a> |
| <b>Molecular Weight</b>  | 394.308g/mol   |
| <b>Molecular Formula</b> | C <sub>21</sub> H <sub>20</sub> BrN <sub>3</sub>   |
| <b>Safety</b>            | :!:HIGHLY carcinogenic   |



## Preparation

EtBr 10mg/mL soln.

1. Dissolve 100mg of EtBr in 10mL H<sub>2</sub>O
2. Store in a light-resistant container at 4 °C.

:!:EtBr is HIGHLY carcinogenic. Use gloves and an eye protector.

## Link

- [Ethidium](#)

[Preparation, Toxin](#)

<sup>1)</sup>

5-ethyl-6-phenyl-phenanthridine-3,8-diamine bromide

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