

## Hoechst 33342

#Cat: NB-64-30238 -1mL      Size: 1 mL  
#Cat: NB-64-30238 -25mg      Size: 25 mg

### Chemical Properties:

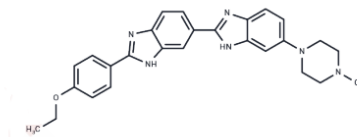
**CAS No:** 23491-52-3

**Formula:** C<sub>27</sub>H<sub>28</sub>N<sub>6</sub>O

**Molecular Weight:** 452.55

**Appearance:** no data available

**Storage:** store at low temperature, keep away from direct sunlight  
Powder: -20°C for 3 years | In solvent: -80°C for 1 year



### Biological Description:

<b>Description</b>	Hoechst 33342 (bisBenzimide H 33342), is a Benzimidazole fluorescent dye and a Cell permeable fluorescent DNA stain; binds minor groove of AT-rich regions. HOE 33342 trihydrochloride is used to quantify DNA in viable cells.
<b>Targets (IC50)</b>	Autophagy

### Solubility Information

<b>Solubility</b>	DMSO: 25 mg/mL (55.24 mM), ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2097 mL	11.0485 mL	22.097 mL
5 mM	0.4419 mL	2.2097 mL	4.4194 mL
10 mM	0.221 mL	1.1049 mL	2.2097 mL
50 mM	0.0442 mL	0.221 mL	0.4419 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

### Reference

Shao C S, Zhou X H, Miao Y H, et al. In-situ observation of mitochondrial biogenesis as the early event of apoptosis. Iscience. 2021, 24(9): 103038.

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