

Hoechst 33342 (trihydrochloride)

Catalog No: tcsc2953



Available Sizes

Size: 10mg

Size: 50mg



Specifications

CAS No:

875756-97-1

Formula:

$C_{27}H_{31}Cl_3N_6O$

Pathway:

Autophagy

Target:

Autophagy

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 46 mg/mL (81.86 mM); H₂O : ≥ 5.6 mg/mL (9.97 mM)

Alternative Names:

bisBenzimide H 33342 trihydrochloride;HOE 33342 trihydrochloride

Observed Molecular Weight:

561.93

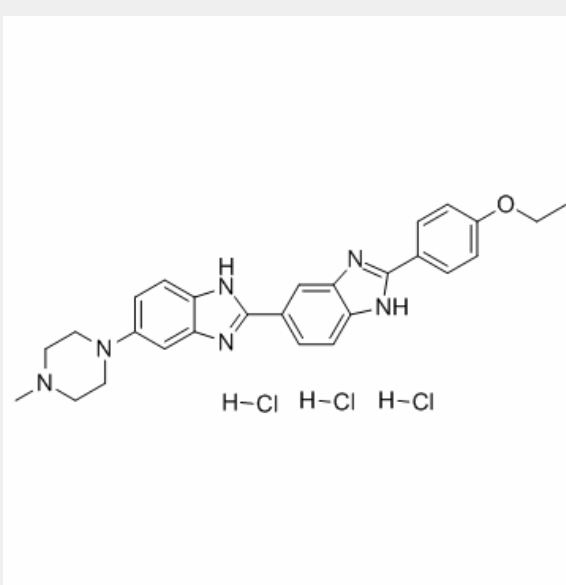
Product Description

Hoechst 33342 trihydrochloride is a DNA minor groove binder used fluorochrome for visualizing cellular **DNA**.

IC50 & Target: Dye reagent^[1]

DNA Stain^[1]

In Vitro: Hoechst 33342 binds to adenine-thymine-rich regions of DNA in the minor groove. On binding to DNA, the fluorescence greatly increases. This protocol describes the use of Hoechst 33342 to label nuclear DNA of cells grown in culture. Hoechst 33342 can also be used to stain fixed cells by substituting Hoechst 33342 for DAPI^[1].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!