

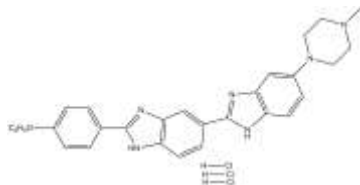
bisBenzimide H 33342

ALTERNATE NAME: 2'-(4-Ethoxyphenyl)-5-(4-methyl-1-piperazinyl)-2,5'-bi-1*H*-benzimidazole trihydrochloride, HOE 33342, Hoechst 33342, bisBenzimide

CATALOG #: 2179-25, 100

AMOUNT: 25 mg, 100 mg

STRUCTURE:



MOLECULAR FORMULA: $C_{27}H_{28}N_6O \cdot 3HCl$

MOLECULAR WEIGHT: 561.93

CAS NUMBER: 23491-52-3

APPEARANCE: Yellow solid

SOLUBILITY: H_2O (~ 50 mg/ml)

PURITY: $\geq 98\%$ by HPLC

STORAGE: Store at $-20^\circ C$. Protect from light and moisture

DESCRIPTION: A cell-permeable fluorescent DNA stain with low cytotoxicity that binds preferentially to adenine-thymine (A-T) regions of DNA. This stain binds into the minor groove of DNA and exhibits distinct fluorescence emission spectra that are dependent on dye:base pair ratios. May be used for fluorescence microscopy or flow cytometry.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

bisBenzimide H 33258 (Cat. No. 2178-25, 100)

FOR RESEARCH USE ONLY! Not to be used in humans.