

Product datasheet

Bisbenzimidide H 33342 (Hoechst 33342), adenine-thymine selective DNA fluorescent stain ab145597

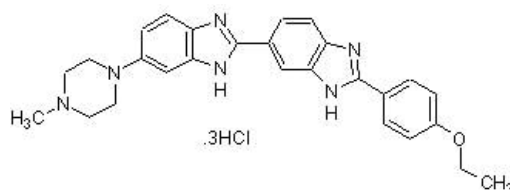
9 References 1 Image

Overview

Product name	Bisbenzimidide H 33342 (Hoechst 33342), adenine-thymine selective DNA fluorescent stain
Description	Cell-permeable, adenine-thymine selective DNA fluorescent stain. DNA minor groove-directed agent.
Purity	> 98%
General notes	This product is manufactured by BioVision, an Abcam company and was previously called 2179 bisBenzimidide H 33342. 2179-100 is the same size as the 100 mg size of ab145597.

CAS Number 23491-52-3

Chemical structure



Properties

Excitation	360nm
Emission	600nm
Chemical name	2-(4-Ethoxyphenyl)-6-[6-(4-methylpiperazin-1-yl)-1 <i>H</i> -benzimidazol-2-yl]-1 <i>H</i> -benzimidazole trihydrochloride
Molecular weight	561.93
Molecular formula	C ₂₇ H ₂₈ N ₆ O ₃ .3HCl
PubChem identifier	16760503
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in water to 75 mM
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room

temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

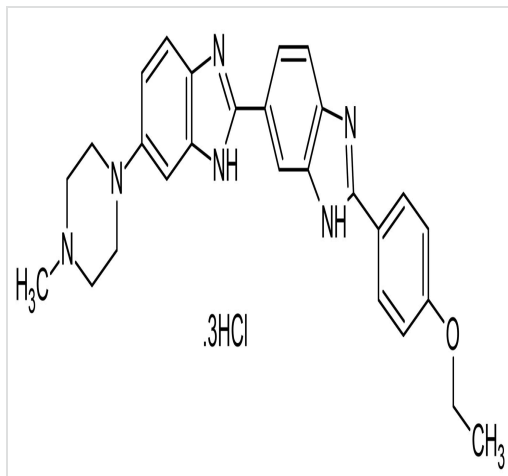
SMILES

CCOC1=CC=C(C=C1)C2=NC3=C(N2)C=C(C=C3)C4=NC5=C(N4)C=C(C=C5)N6CCN(CC6)C.Cl.Cl.Cl

Source

Synthetic

Images



2D chemical structure image of ab145597, Bisbenzimidazole H 33342 (Hoechst 33342), adenine-thymine selective DNA fluorescent stain

Chemical Structure - Bisbenzimidazole H 33342
(Hoechst 33342), adenine-thymine selective DNA
fluorescent stain (ab145597)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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