

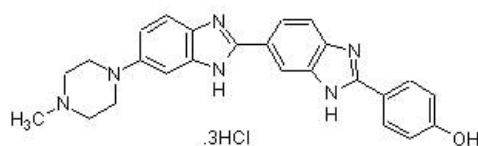
Product datasheet

Bisbenzimidazole H 33258 (Hoechst 33258), adenine-thymine selective DNA fluorescent stain ab145596

[2 References](#) [1 Image](#)

Overview

Product name	Bisbenzimidazole H 33258 (Hoechst 33258), 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 2178 bisBenzimidazole H 33258. 2178-100 is the same size as the 100 mg size of ab145596.
CAS Number	23491-45-4
Chemical structure	



Properties

Excitation	350nm
Emission	461nm
Chemical name	4-[5-[6-(4-Methylpiperazin-1-yl)-1H-benzimidazol-2-yl]-1,3-dihydrobenzimidazol-2-ylidene]cyclohexa-2,5-dien-1-one trihydrochloride
Molecular weight	533.88
Molecular formula	C ₂₅ H ₂₄ N ₆ O.3HCl
PubChem identifier	5360743
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 10 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.

Refer to SDS for further information.

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

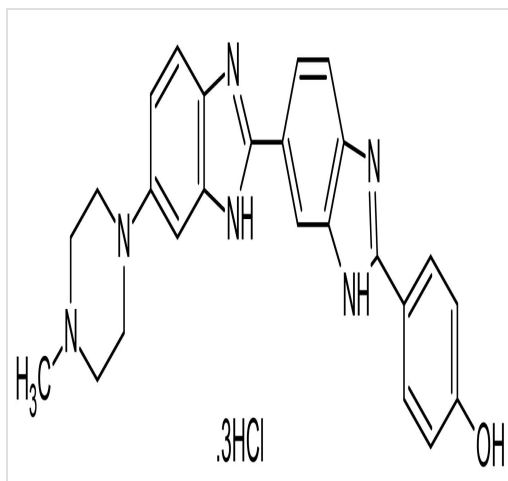
SMILES

CN1CCN(CC1)C2=CC3=C(C=C2)N=C(N3)C4=CC5=C(C=C4)NC(=C6C=CC(=O)C=C6)N5.Cl.Cl

Source

Synthetic

Images



2D chemical structure image of ab145596, Bisbenzimidazole H 33258 (Hoechst 33258), adenine-thymine selective DNA fluorescent stain

Chemical Structure - Bisbenzimidazole H 33258
(Hoechst 33258), adenine-thymine selective DNA
fluorescent stain (ab145596)

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

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