

Hoechst 33342 analog 2 trihydrochloride

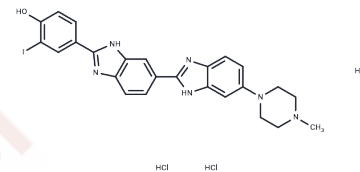
Chemical Properties

CAS No. : 155815-98-8

Formula: C₂₅H₂₆Cl₃N₆O

Molecular Weight: 659.78

Storage: Keep away from moisture, Keep away from direct sunlight
 Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	Hoechst 33342 analog 2 trihydrochloride is a live nuclear marker dye in the Hoechst series. It binds specifically to the minor grooves of DNA (A/T-rich regions) with significant fluorescence enhancement, used for live cell nuclear staining and quantification.
Targets(IC50)	Others
In vitro	Hoechst 33342 analog 2 trihydrochloride diluted to a 10 µg/mL working solution can be used for cell staining; it specifically labels nuclear DNA and can be visualized by fluorescence microscopy or flow cytometry [1].

Solubility Information

Solubility	DMSO: 3.20 mg/mL (4.85 mM), Sonication is recommended. H ₂ O: 16.00 mg/mL (24.25 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5157 mL	7.5783 mL	15.1566 mL
5 mM	0.3031 mL	1.5157 mL	3.0313 mL
10 mM	0.1516 mL	0.7578 mL	1.5157 mL
50 mM	0.0303 mL	0.1516 mL	0.3031 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Khedkar SA, et al. Design of inhibitors of the MurF enzyme of Streptococcus pneumoniae using docking, 3D-QSAR, and de Novo design. J Chem Inf Model. 2007 Sep-Oct;47(5):1839-46.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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