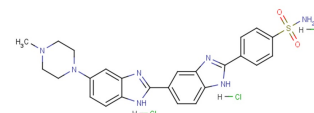


Hoechst S 769121

Chemical Properties

CAS No.: 74681-68-8
Formula: C₂₅H₂₈Cl₃N₇O₂S
Molecular Weight: 596.96
Appearance: N/A
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Hoechst S 769121 (Nuclear yellow) is a fluorescence dye that can bound to DNA (excitation/emission maxima ~335/495 nm).
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	H ₂ O: 6 mg/mL (10.05 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.675 mL	8.376 mL	16.752 mL
5 mM	0.335 mL	1.675 mL	3.35 mL
10 mM	0.168 mL	0.838 mL	1.675 mL
50 mM	0.034 mL	0.168 mL	0.335 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Latt SA, Stetten G, Juergens LA, Recent developments in the detection of deoxyribonucleic acid synthesis by 33258 Hoechst fluorescence. The journal of histochemistry and cytochemistry : official journal of the Histochemistry Society 23 (7): 493-505.
2. a b c "Hoechst Stains". Invitrogen (Molecular Probes).
3. Portugal J, Waring MJ. Assignment of DNA binding sites for 4',6'-diamidine-2-phenylindole and bisbenzimidazole (Hoechst 33258). A comparative footprinting study. Biochimica et Biophysica Acta 949

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