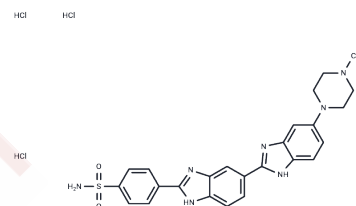


Hoechst S 769121

## Chemical Properties

CAS No. : 74681-68-8  
 Formula: C<sub>25</sub>H<sub>28</sub>Cl<sub>3</sub>N<sub>7</sub>O<sub>2</sub>S  
 Molecular Weight: 596.96  
 Appearance: no data available  
 Storage: keep away from direct sunlight  
 Powder: -20°C for 3 years | In solvent: -80°C for 1 year



## Biological Description

Description	Hoechst S 769121 (Nuclear yellow) is a fluorescence dye that can bound to DNA (excitation/emission maxima ~335/495 nm).
Targets(IC50)	Others

## Solubility Information

Solubility	H <sub>2</sub> O: 6 mg/mL (10.05 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	1.6752 mL	8.3758 mL	16.7515 mL
5 mM	0.335 mL	1.6752 mL	3.3503 mL
10 mM	0.1675 mL	0.8376 mL	1.6752 mL
50 mM	0.0335 mL	0.1675 mL	0.335 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.

## Reference

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.  
 a b c "Hoechst Stains". Invitrogen (Molecular Probes).  
 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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