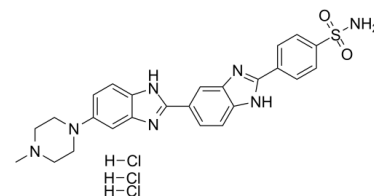


Data Sheet

Product Name:	Hoechst S 769121
Cat. No.:	CS-1304
CAS No.:	74681-68-8
Molecular Formula:	C ₂₅ H ₂₈ Cl ₃ N ₇ O ₂ S
Molecular Weight:	596.96
Target:	Others
Pathway:	Others
Solubility:	H ₂ O : ≥ 6 mg/mL (10.05 mM)



BIOLOGICAL ACTIVITY:

Hoechst S 769121 (Nuclear yellow) exhibits excitation/emission maxima ~335/495 nm when bound to DNA.

References:

- [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

CAIndexNames:

Benzenesulfonamide, 4-[5-(4-methyl-1-piperazinyl)[2,5'-bi-1H-benzimidazol]-2'-yl]-, hydrochloride (1:3)

SMILES:

[H]Cl.O=S(C1=CC=C(C2=NC3=CC(C4=NC5=CC(N6CCN(C)CC6)=CC=C5N4)=CC=C3N2)C=C1)(N)=O.[H]Cl.[H]Cl

Caution: Product has not been fully validated for medical applications. For research use only.

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