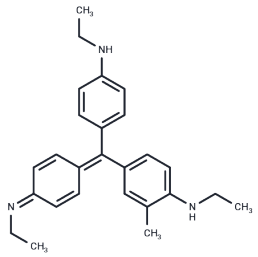
Data Sheet (Cat.No.T32091)

TargetMol

Hofman's Violet

Chemical Properties



CAS No. : 8004-86-2

Formula: C26H32ClN3

Molecular Weight: 422.01

Storage: 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	Hoffman's violet is specific stains for animal chromosomes. Iodinated alcohol after staining can be substituted with various acids, both organic as well as inorganic, all of which act as trapping agent preventing leaching of the dye that binds with the chromosomal DNA. RNA is not involved by this process of staining, since treatment of stained sections with cold phosphoric acid at 5 degrees C for 20--25 min and then stained also reveals perfect colouration of the chromosomes without any cytoplasmic staining.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3696 mL	11.8481 mL	23.6961 mL
5 mM	0.4739 mL	2.3696 mL	4.7392 mL
10 mM	0.237 mL	1.1848 mL	2.3696 mL
50 mM	0.0474 mL	0.237 mL	0.4739 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

Dutt MK. Hoffman's violet and dahlia as specific stains for animal chromosomes. Microsc Acta. 1979 Mar;81(4): 293-7. PubMed PMID: 86937.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481