

FT-05920A



Acridine Orange

Product Description

Name :	Acridine Orange 3,6-Bis(dimethylamino)acridine hydrochloride zinc chloride double salt
Catalog Number :	FP-05920A, 5 g
Formula:	$C_{17}H_{19}N_3HClZnCl_2$
CAS:	[10127-02-3]
MW=	438,10 g/mol
Soluble:	in water
Storage:	Room temperature

Applications

Fluorescent stain for nucleic acids. An RNA polymerase inhibitor Acridine Orange acts as a lysosomal dye. It is used for cell-cycle studies. It plays an important role as a nucleic acid-selective fluorescent cationic dye, which is useful for cell cycle determination. Further, it serves as an inhibitor of RNA polymerase.

<u>Test</u>	<u>Specifications</u>
Appearance (color):	Red-brown
Form:	Powder
Comment:	Specific Absorbance: E1%, 1cm, Lambda max>1200
Comment:	Suitable for microscopy
Loss on Drying:	<10%
Lambda-max (UV-Vis):	490-495nm (water)

Technical and scientific information

1. References

Selvaggi, R.; Tarpani, L.; Santuari, A.; Giovagnoli, S.; Latterini, L. « Silica nanoparticles assisted photodegradation of acridine orange in aqueous suspensions. » *Appl. Catal.*, B 2015, 168-169, 363-369.

Zhang, Y.; Pan, J.; Zhang, G.; Zhou, X. « Intercalation of herbicide propyzamide into DNA using acridine orange as a fluorescence probe. » *Sens. Actuators*, B 2015, 206, 630-639.

Ordering information

Catalog size quantities and prices may be found at <http://www.interchim.com>.

Please inquire for higher quantities (availability, shipment conditions).

For any information, please ask : FluoProbes® / Interchim; Hotline : +33(0)4 70 03 73 06

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