

Specification

Pyronin Y (C.I. 45005)

A1406

Synonym	Pyronin G
Melting point	250 - 260°C
Formula	C ₁₇ H ₁₉ ClN ₂ O
M	302.80 g/mol
CAS-No.:	92-32-0
HS-No.:	32041900
EC-No.:	202-147-8
Storage:	RT
LGK:	10 - 13
Specification	
Assay (from C)	min. 95 %
λ_{max}. (50 %, EtOH)	546 - 551 nm
E 1 %/1 cm, λ_{max}.	2650 - 3160
Loss on drying (110°C)	max. 5 %

Literature

- (1) Grossbach, U. & Weinstein, I.B. (1968) *Anal. Biochem.* **22**, 311-320 Separation of ribonucleic acids by polyacrylamide gel electrophoresis.
- (2) Darzynkiewicz, Z. (1990) *Methods Cell Biol.* **33**, 285-298 Differential staining of DNA and RNA in cells and nuclei with acridine orange.
- (3) Kapuscinski, J & Darzynkiewicz, Z. (1987) *Cytometry* **8**, 129-137 Interactions of Pyronin Y(G) with Nucleic acids.
- (4) Darzynkiewicz, Z. *et al.* (1987) *Cytometry* **8**, 138-145 Application of Pyronin Y(G) in Cytochemistry of Nucleic acids.
- (5) Traganos, F. *et al.* (1988) *Exp. Cell Res.* **179**, 535-544 Staining with Pyronin Y Detects Changes in Conformation of RNA during Mitosis and Hyperthermia of CHO Cells.