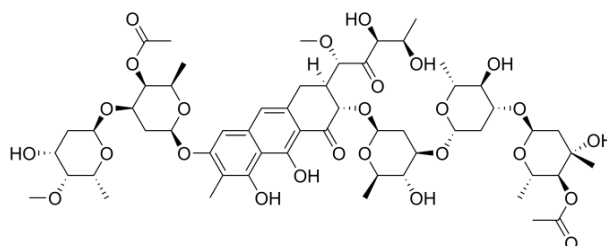


Chromomycin A3

Fluorescent dye to determine DNA concentrations

Product Information

| | |
|--------------------------------|--|
| Name : | Chromomycin A3 CMA3 ; Aburamycin B; Antibiotic 69895 A; Antibiotic B 599; NSC-58514; Olivomycin D; Toyomycin |
| Catalog Number : | FP-155822, 100 mg |
| CAS: | 7059-24-7 |
| Structure : | C ₆ H ₁₂ O ₆ |
| Molecular Weight : | MW= 1183.3 |
| Soluble: | DMSO, Ethanol |
| Absorption / Emission : | $\lambda_{exc}/\lambda_{em} = 445 / 575$ nm |



Storage: Store at +4°C (K). Protect from light and moisture

Introduction

Chromomycin A3 is an antibiotic produced by *Streptomyces grievus* that inhibits RNA synthesis and plays a role in sperm morphology. Also Chromomycin A3 binds reversibly to DNA, preferentially to contiguous G/C base pairs, in the presence of Mg²⁺ ions.

Directions for use

Protocol may found in the literature.

References

- **Mickelson-Young L. et al.**, A Protocol for Genome-Wide Analysis of DNA Replication Timing in Intact Root Tips, *Plant Cell Division* pp 29–72
- **Mukhopadhyay R. et al.**, Mammalian Chromosome Analysis and Sorting by Flow Cytometry, *Current Protocols*; 3:5 (2023)
- **Serafi A. et al.**, Effect of the Heavy Cigarette Smoking on Sperm Chromatin, DNA Fragmentation and Methylation in Young Saudi Men, *Br J Med Health Res.* 9(08)(2022)

Ordering information

Catalog size quantites and prices may be found at <http://www.fluoprobes>.
Please inquire for higher quantities (availability, shipment conditions).

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

Disclaimer : Materials from FluoProbes® are sold **for research use only**, and are not intended for food, drug, household, or cosmetic use. FluoProbes® is not liable for any damage resulting from handling or contact with this product.