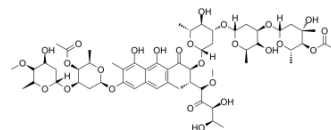


Chromomycin A3

Cat. No.:	HY-W040129	
CAS No.:	7059-24-7	
Molecular Formula:	C ₅₇ H ₈₂ O ₂₆	
Molecular Weight:	1183.25	
Target:	Bacterial; Fungal; Antibiotic	
Pathway:	Anti-infection	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



BIOLOGICAL ACTIVITY

Description

Chromomycin A3 is an aureolic acid-type antitumor antibiotic. Chromomycin A3 forms dimeric complexes with divalent cations, such as Mg²⁺, which strongly binds to the GC rich sequence of DNA to inhibit DNA replication and transcription. Chromomycin A3 has a variety of utilities as a staining agent for human sperm chromatin, autophagy inducing agent, and apoptosis inhibitor^[1].

REFERENCES

[1]. Murase H, et al. Evaluation of simultaneous binding of Chromomycin A3 to the multiple sites of DNA by the new restriction enzyme assay. *Bioorg Med Chem Lett.* 2018 Jun 1;28(10):1832-1835.

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

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