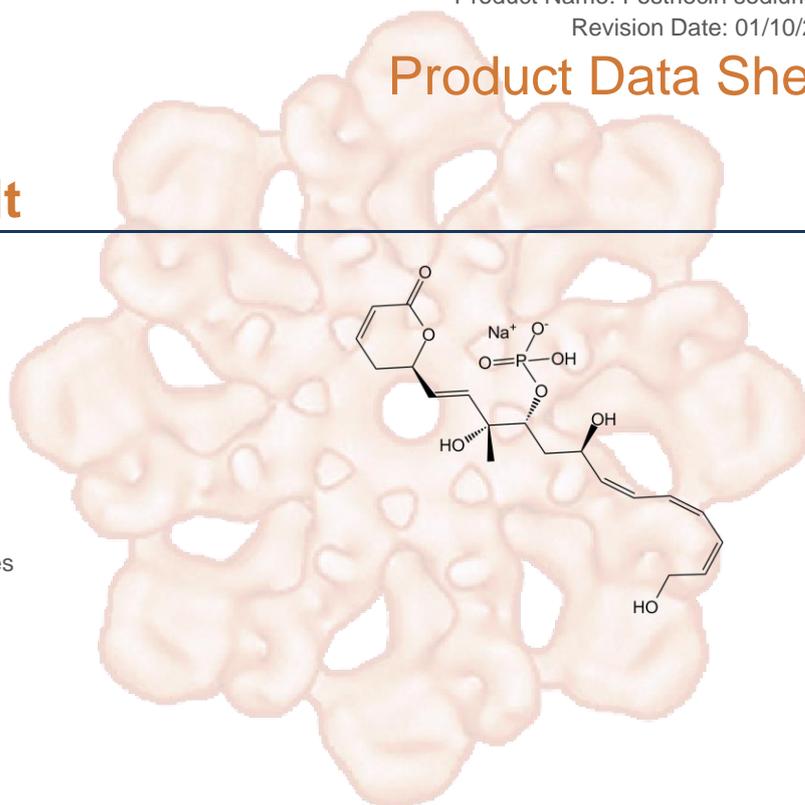


Fostriecin sodium salt

Cat. No.:	A4536
CAS No.:	87860-39-7
Formula:	C ₁₉ H ₂₆ O ₉ PNa
M.Wt:	452.37
Synonyms:	
Target:	Chromatin/Epigenetics
Pathway:	Protein Ser/Thr Phosphatases
Storage:	Desiccate at -20°C



Solvent & Solubility

 Soluble in H₂O

In Vitro

Preparing Stock Solutions	Solvent Concentration	Mass	1mg	5mg	10mg
	1 mM		2.2106 mL	11.0529 mL	22.1058 mL
	5 mM		0.4421 mL	2.2106 mL	4.4212 mL
	10 mM		0.2211 mL	1.1053 mL	2.2106 mL

Please refer to the solubility information to select the appropriate solvent.

Biological Activity

Shortsummary

Antitumor antibiotic

 IC₅₀ & Target

In Vitro

Cell Viability Assay

Cell Line:	HeLa cells
Preparation method:	The solubility of this compound in sterile water is 100 mM. General tips for obtaining a higher concentration: Please warm the tube at 37 °C for 10 minutes and/or shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.
Reacting conditions:	30 min, 0.22 mM
Applications:	Fostriecin is an inhibitor of topoisomerase II. It blocks an early step in the

reaction and does not accumulate broken DNA intermediates. Fostriecin causes a strong but delayed inhibition of DNA synthesis in human Hela cells.

Animal experiment

Animal models: B6D2F1 mice with subcutaneous Colon 38 tumours.

Dosage form: Intraperitoneal injection, 65 mg/kg

Applications: When administered as a single dose, fostriecin caused extensive necrosis of tumours after 24 h and induced significant delays in the growth of advanced subcutaneous tumours by at least 10 days.

Other notes: Please test the solubility of all compounds indoor, and the actual solubility may slightly differ with the theoretical value. This is caused by an experimental system error and it is normal.

In Vivo

Product Citations

See more customer validations on www.apexbt.com.

References

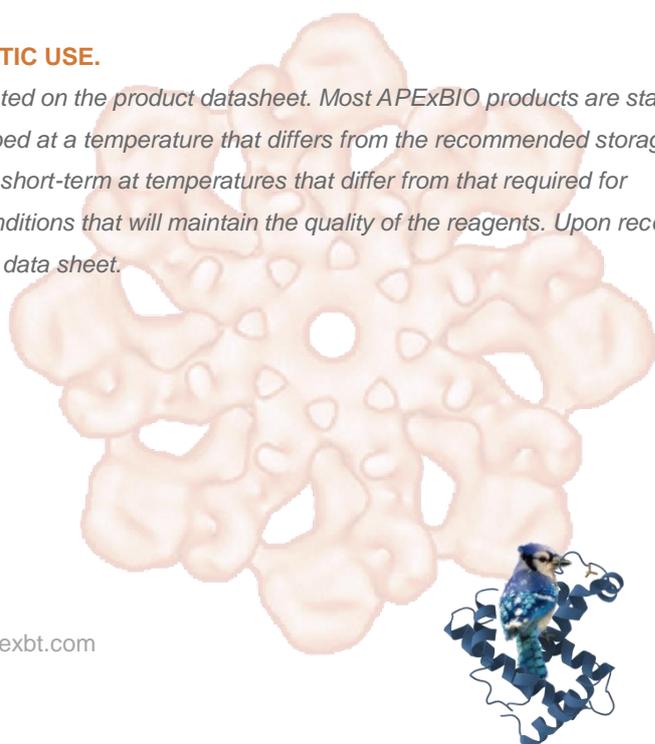
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- [2]. Baguley B C, Calveley S B, Crowe K K, et al. Comparison of the effects of flavone acetic acid, fostriecin, homoharringtonine and tumour necrosis factor α on colon 38 tumours in mice[J]. European Journal of Cancer and Clinical Oncology, 1989, 25(2): 263-269.

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APEX BIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.



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