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Product Information

Product ID P3568

CAS No. 72496-41-4

Chemical Name (7S,9S)-7-[(2R,4S,5S,6S)-4-amino-6-methyl-5-[(2S)-oxan-2-yl]oxyoxan

-2-yl]oxy-6,9,11-trihydroxy-9-(2-hydroxyacetyl)-4-methoxy-8,10-

dihydro-7H-tetracene-5,12-dione

Synonym THP

Formula C₃₂H₃₇NO₁₂ Formula Wt. 627.64

Melting Point 188-192°C (dec.)

Purity ≥98% Solubility

ОН

Pricing and Availability

Bulk quanitites available upon request

Product ID	Size	List Price
P3568	5 mg	\$117.80
P3568	10 mg	\$171.90
P3568	25 mg	\$621.50

Store Temp Ambient Ship Temp Ambient

Pirarubicin is an anthracycline derivative of adriamycin that is clinically co-administered with other anticancer chemotherapeutics in the treatment of a variety of cancers. Pirarubicin is a DNA intercalator that inhibits topoisomerase II and DNA polymerase, inhibiting synthesis of DNA in vitro and in vivo. Pirarubicin induces G2 phase cell cycle arrest, inhibiting tumor growth and increasing survival rates in animal models of colon cancer. Additionally, pirarubicin induces endothelium-dependent relaxation of aortic tissue, likely due to modulation of signaling by endothelium-derived relaxing factor (EDRF).

References Hiyama E, Ueda Y, Onitake Y, et al. A cisplatin plus pirarubicin-based JPLT2 chemotherapy for hepatoblastoma: experience and future of the Japanese Study Group for Pediatric Liver Tumor (JPLT). Pediatr Surg Int. 2013 Oct;29 (10):1071-5. PMID: 24026876.

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Caution: This product is intended for laboratory and research use only. It is not for human or drug use.