

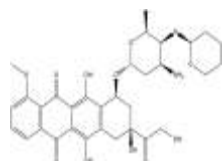
## PRODUCT: Pirarubicin

**ALTERNATE NAME:** (8S,10S)-10-(((2R,4S,5S,6S)-4-amino-6-methyl-5-(((S)-tetrahydro-2H-pyran-2-yl)oxy) tetrahydro-2H-pyran-2-yl)oxy)-6,8,11-trihydroxy-8-(2-hydroxyacetyl)-1-methoxy-7,8,9,10-tetrahydrotetracene-5,12-dione

**CATALOG #:** B2216-5,25

**AMOUNT:** 5 mg, 25 mg

### STRUCTURE:



**MOLECULAR FORMULA:** C<sub>23</sub>H<sub>37</sub>NO<sub>12</sub>

**MOLECULAR WEIGHT:** 627.64

**CAS NUMBER:** 72496-41-4

**APPEARANCE:** Red solid

**SOLUBILITY:** EtOH (~25 mg/ml)

**PURITY:** ≥98% by HPLC

**STORAGE:** Store at -20 °C. Protect from light and light

**DESCRIPTION:** Pirarubicin is an analog of doxorubicin, that acts as an antineoplastic drug. Pirarubicin is transported into cells via a sodium-dependent nucleoside transporter. It is used to intercalate DNA and inhibit the activity of topoisomerase II and induce DNA crosslinking.

**REFERENCES:** Mizutani, H., *et al.* (2017). *Anticancer Res.* **37**, 6063-6069.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

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### RELATED PRODUCTS:

Amphotericin B (Cat. No. 2497-250, 1G, 5G)  
Ampicillin trihydrate (Cat. No. 2483-1 G, 5G, 25 G)  
Ampicillin sodium (Cat. No. 2484-1G, 5G, 25G)  
EZSolution™ Ampicillin sodium (Cat. No. 2499-10)  
Betulinic Acid (Cat. No. 1552-25)  
Bexarotene (Cat. No. 1575-5, 50)  
Blasticidin S, Hydrochloride (Cat. No. 1859-25,100)  
Capecitabine (Cat. No. 1741-100, 1000)  
Carboplatin (Cat. No. 1553-100)  
Chloramphenicol (Cat. No. 2486-25G, 100G, 500G)  
Cefotaxime Sodium, USP (Cat. No. B1510-1G, 5G, 25G)  
Cisplatin (Cat. No. 1550-100,1000)  
Cycloheximide (Cat. No. 1041-1G, 5G)  
Cycloheximide (100 mM) (Cat. No. 1041-1)  
Dalbavancin (Cat. No. B2099-1,5)  
Daunorubicin.HCl (1524-10,50,500)  
Doxorubicin HCl (Cat. No. 1527-5)  
Fludarabine Phosphate (Cat. No. 1763-10, 50)  
G-418 Sulfate (Cat. No. 1557-100, 5G, 25G)  
Gemcitabine Hydrochloride (Cat. No. 1759-25, 100)  
Genistein (Cat. No. 1533-10)  
Nedaplatin (Cat. No. 1576-5)  
Nystatin, USP Grade (Cat. No. B1509-1G, 5G, 25G)  
Oxaliplatin (Cat. No. 1577-25)  
Paclitaxel (Cat. No. 1567-25)  
Penicillin G sodium (Cat. No. 2503-100, 500)  
Penicillin G potassium (Cat. No. 2504-25, 100)  
Polymyxin B Sulfate (Cat. No. 2496-10, 50, 100)  
Puromycin Dihydrochloride (Cat. No. 1860-25, 100, 250, 500,1000)  
EZSolution™ Puromycin Dihydrochloride (Cat. No. 1861-100)  
Streptozocin (Cat. No. 1930-100, 500, 1000)  
Tamoxifen Citrate (Cat. No. 1551-1000)  
Timentin (Cat. No. B1508-1G, 5G, 25G)  
Vancomycin Hydrochloride (Cat. No. B1507-250, 1G, 5G)

**USAGE:** FOR RESEARCH USE ONLY! Not to be used in humans