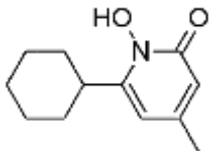


PRODUCT: Ciclopirox**ALTERNATE NAMES:** 6-Cyclohexyl-1-hydroxy-4-methyl-2(1H)-pyridinone**CATALOG NUMBER:** B2079-10, 50**AMOUNT:** 10 mg, 50 mg**STRUCTURE:****MOLECULAR FORMULA:** C₁₂H₁₇NO₂**MOLECULAR WEIGHT:** 207.27**CAS NUMBER:** 29342-05-0**APPEARANCE:** White to pale yellow solid**SOLUBILITY:** DMSO (~15 mg/ml)**PURITY:** ≥98% by titration**STORAGE:** Store at -20 °C. Protect from air and light

DESCRIPTION: Ciclopirox is a synthetic, broad-spectrum antifungal agent with additional antibacterial and anti-inflammatory activities. Ciclopirox exerts its action by binding to and chelating trivalent cations, such as Fe³⁺ and Al³⁺, thereby inhibiting the availability of essential co-factors for enzymes. In addition, ciclopirox exerts its anti-inflammatory activity by inhibiting 5-lipoxygenase and cyclooxygenase (COX). Ciclopirox also increases the activity of hypoxia-inducible factors HIF-1α and HIF-1β.

REFERENCES: Barrett, T.D., *et al.* (2011). *Mol. Pharmacol.* **79**, 910-920.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**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)
 Blastidin 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)
 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)
 Phleomycin (Cat. No. 2724-5,25)
 EZSolution™ Phleomycin (Cat. No. B1531-1,5)
 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)
 Radicicol (Cat. No. B1533-1,5)
 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**