

PRODUCT: Beauvericin**ALTERNATE NAME:**

Cyclo[(2R)-2-hydroxy-3-methylbutanoyl-N-methyl-L-phenylalanyl-(2R)-2-hydroxy-3-methylbutanoyl-N-methyl-L-phenylalanyl-(2R)-2-hydroxy-3-methylbutanoyl-N-methyl-L-phenylalanyl]

CATALOG #:

B1246-1,5

AMOUNT:

1 mg, 5 mg

STRUCTURE:**MOLECULAR FORMULA:**C₄₅H₅₇N₃O₉**MOLECULAR WEIGHT:**

783.96

CAS NUMBER:

26048-05-5

APPEARANCE:

White to off-white solid

SOLUBILITY:

DMSO (>19 mg/ml)

PURITY:

≥97% by HPLC

STORAGE:

Store at -20°C. Protect from air and light.

DESCRIPTION:

Beauvericin is an enniatin mycotoxin isolated from fungus *Beauveria* sp. It has shown cytotoxic properties against insect cells SF-9 and induces apoptosis with IC₅₀ value of 4.5 μM. It has shown to affect mitochondria by depleting the transmembrane potential, inducing swelling and decreasing calcium retention capacity.

REFERENCES:

Jow, G.M., *et al.* (2004). *Cancer Lett.* **216**, 165.

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)
 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)
 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)
 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)
 Solithromycin (Cat. No. B1222-5,25)
 Streptozocin (Cat. No. 1930-100, 500, 1000)
 Tamoxifen Citrate (Cat. No. 1551-1000)

USAGE:

FOR RESEARCH CH USE ONLY! Not to be used in humans