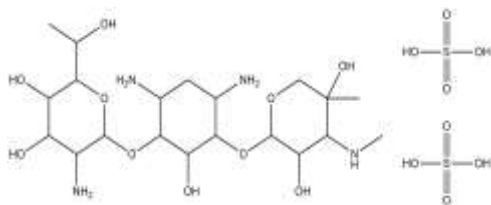


G418 disulfate (Geneticin)

CATALOG #: 1557-1G, 5G, 25G, 100G

AMOUNT: 1 g, 5 g, 25 g, 100 g

STRUCTURE:



MOLECULAR FORMULA: $C_{20}H_{40}N_4O_{10} \cdot 2 H_2SO_4$

MOLECULAR WEIGHT: 692.71

CAS No. 108321-42-2

APPEARANCE: White to off white powder

SOLUBILITY: H_2O (~50 mg/ml)

POTENCY: >720 U/mg

STORAGE CONDITIONS: $-20^\circ C$. Protect from moisture

DESCRIPTION:

G418 disulfate, also known as Geneticin, is an aminoglycoside antibiotic that is used as a selection agent in cell culture gene selection applications. It prevents protein synthesis by blocking the elongation step in prokaryotic and eukaryotic ribosomes. Resistance to G418 disulfate is conferred by the neo gene (neomycin resistant gene) from either Tn5 or Tn601 (903) transposons.

CAUTION: Toxic. Possible teratogen, mutagen and tumorigen. 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)
 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)
 Streptozocin (Cat. No. 1930-100, 500, 1000)
 Tamoxifen Citrate (Cat. No. 1551-1000)

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