

Catalog Number: CM00275

## 产品信息

**Catalog Number:**  
CM00275

**CAS号:**  
108321-42-2

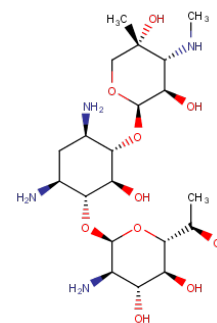
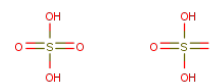
**分子式:**  
 $C_{20}H_{40}N_4O_{10} \cdot 2H_2O_4S$

**主要靶点:**  
Antibiotic|Antibacterial

**主要通路:**  
微生物学

**分子量:**  
692.71

**溶解度:**  
DMSO:Insoluble,H2O:43.31mM



## 体外活性

40到80 mg/kg剂量的G418连续处理三天足以消除感染小鼠的所有未转染布氏黄杆菌寄生虫。

## 体内活性

G418浓度为1-300 microgram/ml时,抑制多种原核和真核生物。一般作用于细菌和藻类的浓度为5 mg/L或更低浓度,用于筛选哺乳动物细胞浓度为400 mg/L,维持哺乳动物细胞的浓度为200 mg/L。

## 描述

G-418 disulfate (Geneticin sulfate) is an aminoglycoside antibiotic, which blocks polypeptide synthesis by inhibiting the elongation step in both prokaryotic and eukaryotic cells.

## 储存

Powder: -20°C for 3 years | In solvent: -80°C for 2 years