

Product Name : Neomycin Sulphate B

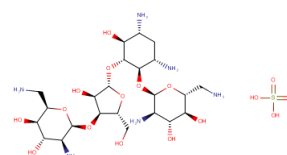
Synonyms : Framycetin sulphate; Neomycin sulphate B

Cat No. : M14419

CAS Number : 4146-30-9

Molecular Formula : C₂₃H₄₈N₆O₁₇S

Formula Weight : 712.22



Chemical Name : (2R,3R,4S,5S,6S)-5-amino-2-(aminomethyl)-6-(((2R,3S,4R,5S)-5-(((1R,2R,3S,5R,6S)-3,5-diamino-2-(((2R,3R,4R,5S,6R)-3-amino-6-(aminomethyl)-4,5-dihydroxytetrahydro-2H-pyran-2-yl)oxy)-6-hydroxycyclohexyl)oxy)-4-hydroxy-2-(hydroxymethyl)tetrahydrofuran-3-yl)oxy)tetrahydro-2H-pyran-3,4-diol sulfate

Description : Neomycin belongs to aminoglycoside class of antibiotics that contain two or more aminosugars connected by glycosidic bonds.

Pathway : Microbiology/Virology

Target : Antibiotic

Receptor : Antibiotic

Solubility : DMSO: 10 mM

SMILES : C1[C@H]([C@@H]([C@H]([C@@H]([C@H]1N)O[C@@H]2[C@@H]([C@H]([C@@H]([C@H](O2)CN)O)O)N)O[C@H]3[C@@H]([C@@H]([C@H]([C@H](O3)CO)O[C@H]4[C@H]([C@@H]([C@H]([C@H](O4)CN)O)O)N)O)N.OS(=O)(=O)O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :