

Product Name	: Fradiomycin
Synonyms	: —
Cat No.	: M21847
CAS Number	: 1404-04-2
Molecular Formula	: C ₂₃ H ₄₆ N ₆ O ₁₃
Formula Weight	: 614.64
Chemical Name	: —
Description	Fradiomycin or neomycin, an aminoglycoside antibiotic, is first isolated in 1949 from the gram-positive bacillus <i>Streptomyces fradiae</i> . It consists of a mixture of two isomers, fradiomycin B and fradiomycin C. Fradiomycin has broad activity against Gram-negative bacteria except <i>Pseudomonas aeruginosa</i> and Gram-positive bacteria. It binds with bacterium ribosome 30s, and then it inhibits bacterial growth by inhibiting protein synthesis.
Pathway	: Others
Target	: Other Targets
Receptor	: —
Solubility	: —
SMILES	: <chem>O[C@@H]1[C@H](O)[C@@H](N)[C@@H](O[C@@H]2[C@@H](N)C[C@@H](N)[C@H](O)[C@H]2O[C@@H]3O[C@H](CO)[C@@H](O[C@H]4O[C@@H](CN)[C@@H](O)[C@H](O)[C@H]4N)[C@H]3O)O[C@@H]1CN</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	: