

Product Name	: Framycetin
Synonyms	: Fradiomycin B; Neomycin B
Cat No.	: M10654
CAS Number	: 119-04-0
Molecular Formula	: C ₂₃ H ₄₆ N ₆ O ₁₃
Formula Weight	: 614.64
Chemical Name	: D-Streptamine, O-2,6-diamino-2,6-dideoxy-β-L-idopyranosyl-(1→3)-O-β-D-ribofuranosyl-(1→5)-O-[2,6-diamino-2,6-dideoxy-α-D-glucopyranosyl-(1→4)]-2-deoxy-
Description	: An aminoglycoside antibiotic; selectively inhibits production of the mature miRNA, boosts a downstream protein, and inhibits invasion in HCC cell lines; a second-line agent for hepatic encephalopathy (HE) and bacterial infections due to cirrhosis. Bacterial Infection Approved
Pathway	: GPCR/G Protein
Target	: Antibacterial
Receptor	: Antibacterial
Solubility	: DMSO: ≥ 60 mg/mL
SMILES	: <chem>OC[C@@H](O1)[C@@H](O[C@@H]2[C@H](N)[C@@H](O)[C@H](O)[C@H](CN)O2)[C@@H](O)[C@@H]1O[C@H]([C@@H](O)[C@H](N)C[C@@H]3N[C@@H]3O[C@H]4O[C@H](CN)[C@H](O)[C@H](O)[C@H]4N)O)O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Brinson RG, et al. Biochemistry. 2009 Jul 28;48(29):6988-97. | 2. Childs-Disney JL, et al. ACS Chem Biol. 2016 Feb 19;11(2):375-80. | 3. Bera S, et al. Molecules. 2012 Aug 2;17(8):9129-41.