

Product Datasheet

Framycetin sulfate (orb1306492)

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|--------------------------|--|
| Catalog Number | orb1306492 |
| Category | Small Molecules |
| Description | Framycetin sulfate, also known as Neomycin Sulphate B, is an aminoglycoside antibiotic characterized by its structure of linked aminosugars. It is widely used in research for studying bacterial protein synthesis inhibition and is applied in both in vitro microbiological assays and in vivo models of topical infection. |
| Target | Antibacterial, Antibiotic |
| Purity | 99.89% |
| MW | 908.86 |
| Target Areas | Antibacterial Antibiotic |
| Solubility (25°C) | H2O:250 mg/mL (275.07 mM);DMSO:Insoluble |
| CAS Number | 4146-30-9 |
| Formula | $C_{23}H_{52}N_6O_{25}S_3$ |
| SMILES | <chem>OS(O)(=O)=O.OS(O)(=O)=O.OS(O)(=O)=O.[H][C@@]1(O[C@@H]2[C@@H](O)[C@@H](N)C[C@H](N)[C@@]2([H])O[C@H]2O[C@H](CN)[C@@H](O)[C@H](O)[C@H]2N)O[C@H](CO)[C@@H](O[C@@]2([H])O[C@@H](CN)[C@@H](O)[C@H](O)[C@H]2N)[C@H]1O</chem> |
| Storage | store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year Shipping with blue ice/Shipping at ambient temperature. |
| Note | For research use only |
| Expiration Date | 12 months from date of receipt. |

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