

Product Name : Tobramycin

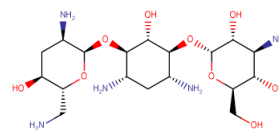
Synonyms : Deoxykanamycin B; Distobram; Gemebcin; NSC 180514

Cat No. : M14091

CAS Number : 32986-56-4

Molecular Formula : C₁₈H₃₇N₅O₉

Formula Weight : 467.51



Chemical Name : (2S,3R,4S,5S,6R)-4-Amino-2-[(1S,2S,3R,4S,6R)-4,6-diamino-3-[(2R,3R,5S,6R)-3-amino-6-(aminomethyl)-5-hydroxyoxan-2-yl]oxy-2-hydroxycyclohexyl]oxy-6-(hydroxymethyl)oxane-3,5-diol

Description : Tobramycin is an aminoglycoside, broad-spectrum antibiotic produced by *Streptomyces tenebrarius*.

Pathway : Microbiology/Virology

Target : ribosome

Receptor : 30S ribosome

Solubility : Water: 94 mg/mL (201.05 mM)

SMILES : O[C@H]1[C@@H](O[C@@H]2[C@@H](O)[C@H](O[C@H]3O[C@H](CN)[C@@H](O)C[C@H]3N)[C@@H](N)C[C@H]2N)O[C@H](CO)[C@@H](O)[C@H]1N

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Yang G, et al. J Med Chem. 2006 Sep 7;49(18):5478-90.