

Product datasheet

Tobramycin, free base ab120659

Overview

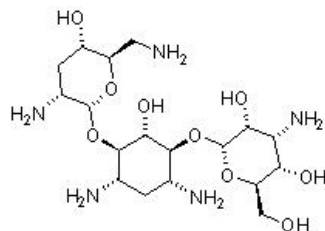
Product name	Tobramycin, free base
Description	Ribosomal translation inhibitor
Biological description	Inhibits ribosomal translation. Aminoglycoside antibiotic which binds 30S ribosomal subunit A, preventing functional protein production. Effective against gram-negative bacteria.
Purity	> 98%

Properties

Chemical name O-[3-Amino-3-deoxy- α -D-glucopyranosyl-(1 \rightarrow 6)]-O-[2,6-diamino-2,3,6-trideoxy- α -D-ribohexopyranosyl-(1 \rightarrow 4)]-2-deoxy-D-streptomine

Molecular weight 467.50

Chemical structure



Molecular formula C₁₈H₃₇N₅O₉

CAS Number 32986-56-4

PubChem identifier 36294

Storage instructions Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.

Solubility overview Soluble in water to 100 mM

Handling Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

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