

# Puromycin dihydrochloride from *Streptomyces alboniger*

Cat. No. ANT-503

Lot. No. (See product label)

## Product Name

Puromycin dihydrochloride from *Streptomyces alboniger*

## Product Overview

This product is suitable for cell culture. CAS NO.58-58-2. Puromycin dihydrochloride from *Streptomyces alboniger* has been used: • in the preparation of puromycin stock solution for puromycin sensitivity assay. • to select lentivirus-infected cells containing puromycin resistant selection marker.

## Description

Puromycin is active against gram-positive microorganisms, less active against acid-fast bacilli and more weakly active against gram-negative microorganisms. Puromycin can prevent growth of bacteria, protozoa, algae and mammalian cells and acts quickly, killing 99% of cells within 2 days.

## Form

Powder

## Molecular Mass

544.43

## Purity

≥98%

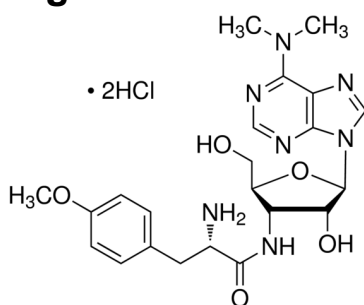
## Notes

As supplied, this product remains active for four years when stored at -20 centigrade.

## Synonyms

3'-[α-Amino-p-methoxyhydrocinnaamido]-3'-deoxy-N,N-dimethyladenosine dihydrochloride

## Figure 1



## Solubility

50 mg soluble in 1mL of water, clear, colorless to faintly yellow.

## Molecular Formula

C<sub>22</sub>H<sub>29</sub>N<sub>7</sub>O<sub>5</sub> · 2HCl.

## Storage

Store the product at -20 centigrade. Under these conditions, the powder remains active for four years.

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY