

Data sheet

Puromycin dihydrochloride

Cat. No: AB024

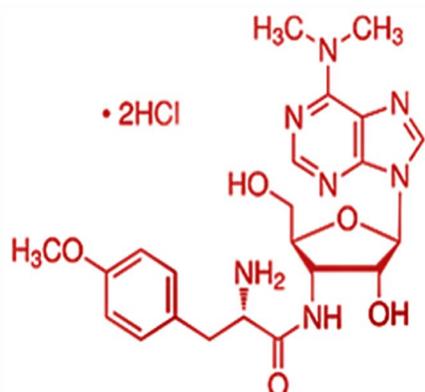
Cat. No: AB025

Cat. No: AB027

Cat. No: AB028

Introduction

Puromycin Hydrochloride is the hydrochloride salt form of puromycin, an aminonuclease antibiotic agent isolated from the bacterium *Streptomyces alboniger*. Toxic to both eukaryotic and prokaryotic cells. Acting as an analog of the 3' terminal end of aminoacyl-tRNA, puromycin incorporates itself into a growing polypeptide chain and causes its premature termination, thereby inhibiting protein synthesis. Prevents growth of bacteria, protozoa, algae, and mammalian cells.



Technical specification

- ✓ CAS Number: **58-58-2**
- ✓ Chemical Formula: **C₂₂H₂₉N₇O₅•2HCl**
- ✓ Molecular Weight: **544.44**
- ✓ Purity (HPLC): **> 98%**

PRODUCT USE LIMITATION

This product is developed, designed and sold exclusively for research purposes and in vitro use only. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals. Please refer to www.canvaxbiotech.com for Material Safety Data Sheet of the product.

Product Size

	AB024	AB025
Puromycin Hydrochloride (powder):	100 mg	250mg
	AB027	AB028
Puromycin Hydrochloride (solution):	10 ml	50 ml

Storage conditions

Store at **-20° C**

Application

- ✓ Puromycin is widely used in cell biology as a selection antibiotic agent in mammalian cell culture systems.
- ✓ Useful in CRISPR/Cas9 mammalian gene editing by selecting for successful Cas9-induced knock-in with puromycin resistance gene.

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Notes

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