

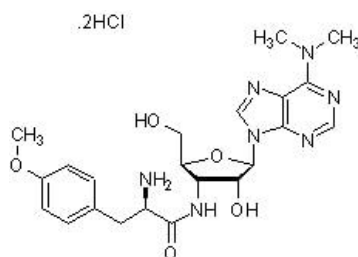
Product datasheet

Puromycin dihydrochloride (aqueous solution, sterile-filtered), aminonuclease antibiotic agent ab146610

[1 Image](#)

Overview

Product name	Puromycin dihydrochloride (aqueous solution, sterile-filtered), aminonuclease antibiotic agent
Description	Aminonuclease antibiotic agent. Protein biosynthesis inhibitor.
Purity	> 98%
General notes	This product is manufactured by BioVision, an Abcam company and was previously called 1861 EZSolution™ Puromycin Dihydrochloride. 1861-100 is the same size as the 100 mg size of ab146610.
CAS Number	58-58-2
Chemical structure	



Properties

Chemical name	(2S)-2-Amino-N-[(2S,3S,4R,5R)-5-[6-(dimethylamino)purin-9-yl]-4-hydroxy-2-(hydroxymethyl)oxolan-3-yl]-3-(4-methoxyphenyl)propanamide dihydrochloride
Molecular weight	544.43
Molecular formula	C ₂₂ H ₂₉ N ₇ O ₅ ·2HCl
PubChem identifier	443311
Storage instructions	Store at -20°C. Store In the Dark. Store under desiccating conditions. This product is air and light sensitive and impurities can occur as a result of air oxidation or due to metabolism by microbes.
Solubility overview	Supplied in water (10 mg/ml)
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.

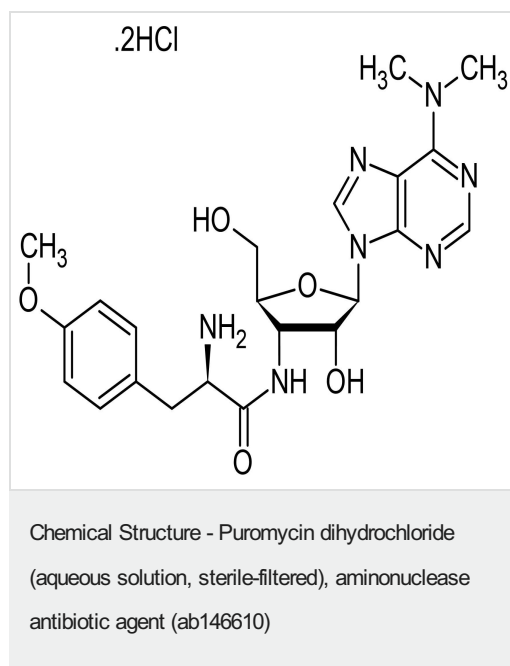
SMILES

CN(C)C1=NC=NC2=C1N=CN2[C@H]3[C@@H]([C@@H]([C@H](O3)CO)NC(=O)[C@H](CC4=CC=C(C=C4)OC)N)O.Cl.Cl

Source

Synthetic

Images



2D chemical structure image of ab146610, Puromycin dihydrochloride (aqueous solution, sterile-filtered), aminonuclease antibiotic agent

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors
- Abcam biochemicals are novel compounds and we have not tested their biological activity in house. Please use the literature to identify how to use these products effectively. If you require further assistance please contact the scientific support team