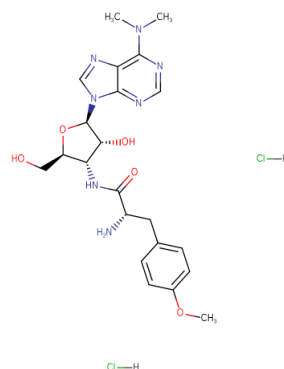


Product Name : Puromycin dihydrochloride
Synonyms : CL 13,900; CL 16,536; NSC 3055; PDH
Cat No. : M15154
CAS Number : 58-58-2
Molecular Formula : C₂₂H₃₁Cl₂N₇O₅
Formula Weight : 544.44



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

Description : Puromycin 2hydrochloride is an aminonucleoside antibiotic, which acts as a protein synthesis inhibitor.

Pathway : Cell Cycle/DNA Damage

Target : DNA/RNA Synthesis

Receptor : DNA synthesis; 60S ribosome

Solubility : Water: 100 mg/mL warmed (183.67 mM); DMSO: 100 mg/mL warmed (183.67 mM)

SMILES : O=C(N[C@@H]1[C@@H](CO)O[C@@H](N2C=NC3=C(N(C)C)N=CN=C23)[C@@H]1O)[C@@H](N)CC4=CC=C(OC)C=C4.[H]Cl.[H]Cl

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Shibouta Y, et al. Kidney Int. 1991 May;39(5):920-9.