



**Product:** **Puromycin Powder  $C_{22}H_{29}N_7O_5 \cdot 2HCl$**

**Catalog #:** 400-128P

## **PUROMYCIN DATA**

**Description:** Puromycin acts against bacteria, fungi and higher eukaryotes by inhibiting protein synthesis. It is used in the research laboratory primarily for the selection and maintenance of cells that carry the puromycin resistance gene. It can be a useful as an alternative to the neomycin system for transfection experiments. In some particular conditions puromycin can also be used for the selection of E. coli transformants but it is poorly active on E. coli.

**Purity:**  $\geq 98\%$

**Form:** Powder

**Solubility:** 50mg/mL in H<sub>2</sub>O

**CAS #:** 58-58-2

**Chemical Formula:**  $C_{22}H_{29}N_7O_5 \cdot 2HCl$

**Molar Mass** 544.43

**Storage:** Store at -20 to -10°C.

**Solubility:** 50 mg/mL in H<sub>2</sub>O

**Stability:** Three years from date of manufacture

**Handling:** Puromycin Powder is a hazardous compound. Avoid contact with eyes, skin and clothes, harmful if swallowed

For further manufacturing or laboratory use. Not for human or animal consumption.