

Blasticidin S HCl, Antibiotic selection agent

Catalog	Unit
TBI2830-20MG	20mg
TBI2830-100MG	100mg

Product Details

Formal Name: (S)-4-[[[3-Amino-5-[(aminoiminomethyl)methylamino]-1-oxopentyl]amino]-1-(4-amino-2-oxo-1(2H)-pyrimidinyl)-1,2,3,4-tetrahydro-β-D-erythro-hex-2-enopyranuronic acid hydrochloride

Molecular Formula: C₁₇H₂₆N₈O₅·HCl

Formula Weight: 458.90

CAS Number: 3513-03-9

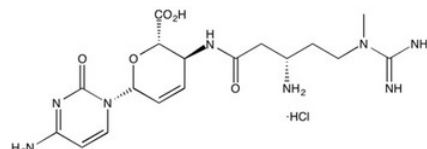
Purity: >98%

Formulation: powder

Solubility: Soluble in Water (greater than 25 mg/ml).

Storage: -20°C

Stability: ≥ 1 year.



Applications

Antibiotic selection agent

Functions

A peptidyl nucleoside antibiotic inhibiting protein synthesis in bacteria and eukaryotes. Inhibits translation by trapping deformed tRNA on the ribosome. The ABC-type transporter NppA1A2BCD is required for uptake of blasticidin S and other peptidyl nucleoside antibiotics in *Pseudomonas aeruginosa* PA14. Selection agent for bis, bsr and bsd transformed cells.

Application Procedures

First dissolved in Water (greater than 25 mg/ml), then diluted to aqueous buffer. Solutions in distilled water may be stored at -20°C for up to 1 month.

For research use only.