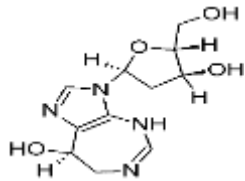


PRODUCT: Pentostatin

ALTERNATE NAMES: (8*R*)-3-(2-Deoxy-β-D-*erythro*-pentofuranosyl)-3,4,7,8-tetrahydroimidazo[4,5-*d*][1,3]diazepin-8-ol; Deoxycoformycin

CATALOG NUMBER: B2038-5,25

AMOUNT: 5 mg, 25 mg

STRUCTURE:

MOLECULAR FORMULA: C₁₁H₁₆N₄O₄

MOLECULAR WEIGHT: 268.27

CAS NUMBER: 53910-25-1

APPEARANCE: White solid

SOLUBILITY: DMSO (>20 mg/ml) or H₂O (>20mg/ml)

PURITY: ≥98% by HPLC

STORAGE: Store at -20 °C. Protect from air and moisture

DESCRIPTION: Pentostatin is an irreversible inhibitor of adenosine deaminase (K_i = 2.5 pM). Pentostatin is effective in the treatment of many lymphoproliferative malignancies, particularly hairy-cell leukemia. It is also synergistic with some other antineoplastic agents and has immunosuppressive activity.

REFERENCES: Klohs, W.D., and Kraker, A.J. (1992). *Pharmacol. Rev.* **44**, 459-477.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Adenosine deaminase Inhibitor Screening Kit (Colorimetric) (**K993**)
Adenosine deaminase Activity Assay Kit (Colorimetric) (**K321**)
Adenosine deaminase Activity Assay Kit (Fluorometric) (**K328**)
Cladribine (**B2037**)
Pentostatin (**B2038**)

USAGE: **FOR RESEARCH USE ONLY! Not to be used in humans**