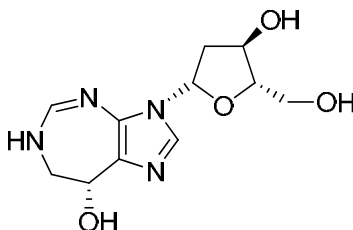


Pentostatin

Code: **BIA-P1273**

Pack sizes: **1 mg, 5 mg**



Synonyms : **2'-Deoxycoformycin, Covidaribine, Oncopent, Nipent, ADAI, CI 825, d-Cof, NSC 218321. PD-ADI, YK 176**

Specifications

CAS # : **53910-25-1**
Molecular Formula : **C₁₁H₁₆N₄O₄**
Molecular Weight : **268.3**
Source : ***Streptomyces* sp.**
Appearance : **White to off white solid**
Purity : **> 98% by HPLC**
Storage : **-20°C**
Solubility : **Soluble in water, methanol and DMSO**

Application Notes

Pentostatin is a potent antitumor antibiotic isolated from a *Streptomyces* species. Pentostatin is a potent inhibitor of adenine deaminase and has been used therapeutically as an antitumor agent.

References

1. A novel adenosine and ara-A deaminase inhibitor, (R)-3-(2-deoxy-b-D-erythro-pentofuranosyl)-3,6,7,8-tetrahydroimidazo[4,5-d][1,3]diazepin-8-ol. Woo P. W. K. et al. J. Het. Chem. 1974, 11, 641.
2. Pentostatin: future directions. Klohs W. D. & Kraker A. J. Pharmacol Rev 1992, 44, 459.