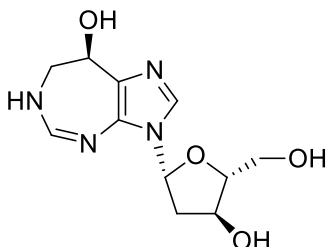


Pentostatin

Code No.: **BIA-P1273**

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



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

Specifications

CAS #	: 53910-25-1
Molecular Formula	: C ₁₁ H ₁₆ N ₄ O ₄
Molecular Weight	: 268.3
Source	: <i>Streptomyces</i> sp.
Appearance	: White to off white solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Good water solubility.

Application Notes

Pentostatin is a potent antitumor antibiotic isolated from a *Streptomyces* species. Pentostatin is a potent inhibitor of adenosine 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.