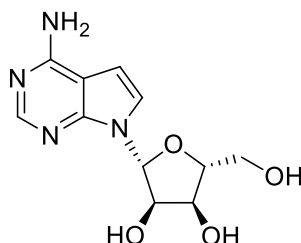


Tubercidin

Code No.: **BIA-T1516**

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



Synonyms : 7-Deazaadenosine, XK 101-1, NSC 56408, Sparsomycin A, U 10071

Specifications

CAS #	: 69-33-0
Molecular Formula	: C ₁₁ H ₁₄ N ₄ O ₄
Molecular Weight	: 266.3
Source	: <i>Streptomyces</i> sp.
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Moderate water solubility.

Application Notes

Tubercidin is a nucleoside metabolite first isolated from *Streptomyces tubercidus*. Tubercidin, like other nucleosides, is a broad spectrum potent chemotherapeutic agent active against viruses, bacteria, fungi, protozoans and tumors. Tubercidin acts on a diverse range of targets, such as RNA processing, nucleic acid and protein synthesis, and acts as a nucleoside mimic of adenosine.

References

1. A new antibiotic, tubercidin. Anzai K. et al., J. Antibiot. Series A 1957, 10, 201.
2. Nucleoside antibiotics: structure, biological activity, and biosynthesis. Isono K.J. Antibiot. 1988, 42, 1711.
3. Toyocamycin, a new anti-candida antibiotic. Nishimura H. et al., J. Antibiot. 1956, 9A, 60.
4. Nucleoside antibiotics. Suhadolnik R.J. Wiley-Interscience. 1970, 298.