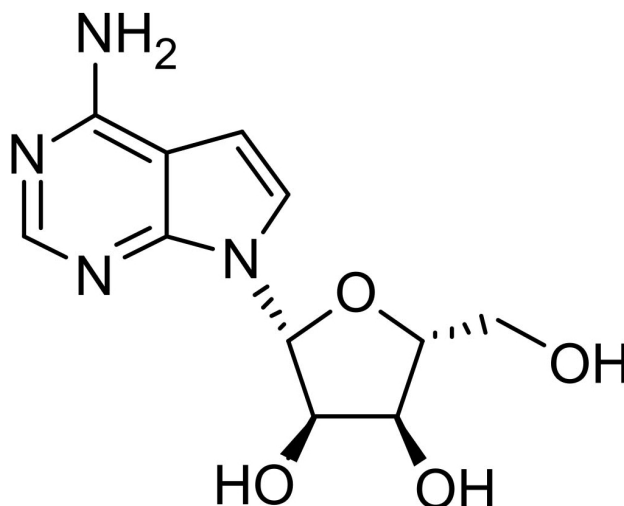


## Tubercidin

Code No.: BIA-T1516

Pack sizes.: 1mg, 5mg



### Synonyms:

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

## Specifications

CAS #	: <b>69-33-0</b>
Molecular Formula	: <b>C<sub>11</sub>H<sub>14</sub>N<sub>4</sub>O<sub>4</sub></b>
Molecular Weight	: <b>266.3</b>
Source	: -
Appearance	: <b>White solid</b>
Purity	: <b>&gt;98% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in ethanol, methanol, DMF or DMSO. Moderate water solubility.</b>

## 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.