Tubercidin

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: Streptomyces 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 tubericidus. 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