

Product Name:	Tubercidin
Product Number:	T064
CAS Number:	69-33-0
Molecular Formula:	$C_{11}H_{14}N_4O_4$
Molecular Weight:	266.3
Appearance:	White solid
Storage Conditions:	-20°C
Description:	<p>Tubercidin is a nucleoside metabolite first isolated from <i>Streptomyces tubericidus</i>. Tubercidin, like other nucleosides, is a broad spectrum potent chemotherapeutic agent active against viruses, bacteria, fungi, protozoans and tumors.</p> <p>Soluble in ethanol, methanol, DMF and DMSO.</p>
Mechanism of Action:	<p>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.</p>
References:	<p>A new antibiotic, tubercidin. Anzai K. et al. J. Antibiot. Series A 1957, 10, 201.</p> <p>Nucleoside antibiotics: structure, biological activity, and biosynthesis. Isono K.J. Antibiot. 1988, 42, 1711.</p> <p>Toyocamycin, a new anti-candida antibiotic. Nishimura H. et al. J. Antibiot. 1956, 9A, 60.</p> <p>Nucleoside antibiotics. Suhadolnik R.J. Wily-Interscience. 1970, 298.</p>