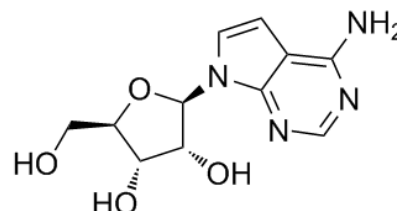


**Product Name** : Tubercidin  
**Cat. No.** : PC-42061  
**CAS No.** : 69-33-0  
**Molecular Formula** : C<sub>11</sub>H<sub>14</sub>N<sub>4</sub>O<sub>4</sub>  
**Molecular Weight** : 266.2533  
**Target** : Bacterial  
**Solubility** : DMSO: ≥ 30 mg/mL  
4. Aoki JJ, et al. Parasitol Res. 2009 Jan;104(2):223-8.



### Biological Activity

An antibiotic and adenosine analog isolated from the bacterium *Streptomyces tubercidicus* with potential antineoplastic activity; incorporates into DNA and inhibits polymerases, thereby inhibiting DNA replication and RNA and protein synthesis; also exhibits antifungal and antiviral activities.

### References

- Mooberry SL, et al. Cancer Lett. 1995 Sep 25;96(2):261-6.  
Olsen DB, et al. Antimicrob Agents Chemother. 2004 Oct;48(10):3944-53.  
Drew ME, et al. J Biol Chem. 2003 Nov 21;278(47):46596-600.

