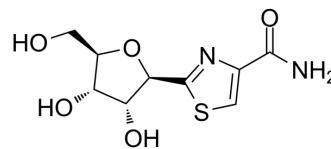


## Tiazofurin

Cat. No.:	HY-114570
CAS No.:	60084-10-8
Molecular Formula:	C <sub>9</sub> H <sub>12</sub> N <sub>2</sub> O <sub>5</sub> S
Molecular Weight:	260.27
Target:	Nucleoside Antimetabolite/Analog; Orthopoxvirus
Pathway:	Cell Cycle/DNA Damage; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Tiazofurin (NSC 286193) is a synthetic nucleoside analogue with antineoplastic activity. Tiazofurin is analogized intracellularly to thiazole-4-carboxamide adenine dinucleotide (TAD), a potent inhibitor of IMP dehydrogenase (IMPDH)<sup>[1]</sup>. Tiazofurin also has anti-orthopoxvirus and anti-variola activities<sup>[2]</sup>.

### REFERENCES

- [1]. Robert O Baker, et al. Potential antiviral therapeutics for smallpox, monkeypox and other orthopoxvirus infections. *Antiviral Res.* 2003 Jan;57(1-2):13-23.
- [2]. Tricot G, Jayaram HN, Weber G, Hoffman R. Tiazofurin: biological effects and clinical uses. *Int J Cell Cloning.* 1990;8(3):161-170.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA