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**Product Data Sheet**

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Product Name: Tiazofurin

Cat. No.: GC67477

**Chemical Properties**

Cas. No. 60084-10-8

Formula  $C_9H_{12}N_2O_5S$  M.Wt 260.27

Solubility Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure **Background**

Tiazofurin (NSC 286193) is a synthetic nucleoside analogue with antineoplastic activity. Tiazofurin is anabolized intracellularly to tiazole-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>.

[1]. Tricot G, Jayaram HN, Weber G, Hoffman R. Tiazofurin: biological effects and clinical uses. *Int J Cell Cloning*. 1990;8(3):161-170.

[2]. Robert O Baker, et al. Potential antiviral therapeutics for smallpox, monkeypox and other orthopoxvirus infections. *Antiviral Res*. 2003 Jan;57(1-2):13-23.

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

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