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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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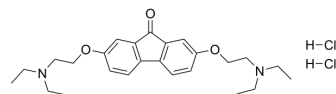
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Tilorone dihydrochloride (Standard)

Cat. No.:	HY-B1080R
CAS No.:	27591-69-1
Molecular Formula:	C ₂₅ H ₃₆ Cl ₂ N ₂ O ₃
Molecular Weight:	483.47
Target:	Influenza Virus; HIF/HIF Prolyl-Hydroxylase
Pathway:	Anti-infection; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Tilorone (dihydrochloride) (Standard) is the analytical standard of Tilorone (dihydrochloride). This product is intended for research and analytical applications. Tilorone dihydrochloride is an orally active interferon (IFN) inducer with broad-spectrum antiviral activities. Tilorone dihydrochloride possesses robust anti-Severe fever with thrombocytopenia syndrome virus (SFTSV) activity in vitro and in vivo through stimulation of host innate immunity. Tilorone dihydrochloride can penetrate the blood-brain barrier to activate HIF in the CNS^{[1][2][3]}. Tilorone dihydrochloride exhibits an inhibitory activity with EC₅₀ of 230 nM against Ebola virus (EBOV)^[4].

REFERENCES

- [1]. Jingjing Yang, et al. Tilorone confers robust in vitro and in vivo antiviral effects against severe fever with thrombocytopenia syndrome virus. *Virol Sin.* 2022 Feb;37(1):145-148.
- [2]. Sean Ekins, et al. Tilorone, a Broad-Spectrum Antiviral for Emerging Viruses. *Antimicrob Agents Chemother.* 2020 Apr 21;64(5):e00440-20.
- [3]. Rajiv R Ratan, et al. Small molecule activation of adaptive gene expression: tilorone or its analogs are novel potent activators of hypoxia inducible factor-1 that provide prophylaxis against stroke and spinal cord injury. *Ann N Y Acad Sci.* 2008 Dec:1147:383-94.
- [4]. Ekins S, et al., Efficacy of Tilorone Dihydrochloride against Ebola Virus Infection. *Antimicrob Agents Chemother.* 2018 Jan 25;62(2):e01711-17.

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

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