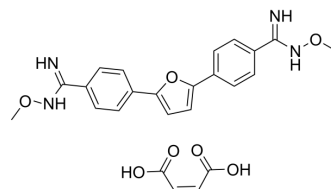


Pafuramidine maleate

Cat. No.:	HY-14932A
CAS No.:	837369-26-3
Molecular Formula:	C ₂₄ H ₂₄ N ₄ O ₇
Molecular Weight:	480.47
Target:	Antibiotic; Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Pafuramidine (maleate) (DB289 (maleate)) is an orally active proagent of Furamidine (HY-110137A). Pafuramidine (maleate) (DB289 (maleate)) is a potent anti-parasitic agent, can be used to research trypanosomiasis, Pneumocystis pneumonia and malaria^{[1][2][3]}.

CUSTOMER VALIDATION

- Molecules. 2018 May 16;23(5). pii: E1195.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. Mdachi RE, et al. Efficacy of the novel diamidine compound 2,5-Bis(4-amidinophenyl)-furan-bis-O-Methylamidoxime (Pafuramidine, DB289) against *Trypanosoma brucei rhodesiense* infection in vervet monkeys after oral administration. *Antimicrob Agents Chemother*. 2009 Mar;53(3):953-7.
- [2]. Chen D, et al. Pafuramidine for *Pneumocystis jiroveci* pneumonia in HIV-infected individuals. *Expert Rev Anti Infect Ther*. 2007 Dec;5(6):921-8.
- [3]. Pohlig G, et al. Efficacy and Safety of Pafuramidine versus Pentamidine Maleate for Treatment of First Stage Sleeping Sickness in a Randomized, Comparator-Controlled, International Phase 3 Clinical Trial. *PLoS Negl Trop Dis*. 2016 Feb 16;10(2):e0004363.

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