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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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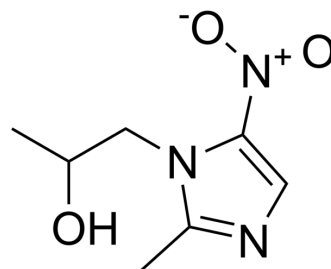
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Secnidazole (Standard)

Cat. No.:	HY-B1118R
CAS No.:	3366-95-8
Molecular Formula:	C ₇ H ₁₁ N ₃ O ₃
Molecular Weight:	185.18
Target:	Parasite; Bacterial; Antibiotic
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Secnidazole (Standard) is the analytical standard of Secnidazole. This product is intended for research and analytical applications. Secnidazole (RP-14539) is an orally active azole antibiotic and a imidazole mitigator of <i>Serratia marcescens</i> virulence. Secnidazole, as an analog of acylhomoserine lactones, effectively inhibits QS resulting in the attenuation of <i>Pseudomonas aeruginosa</i> pathogenesis. Secnidazole has antimicrobial activity against many anaerobic Gram-negative and Gram-positive bacterial species in vitro. Secnidazole can be used for the research of various diseases, such as amoebiasis and giardiasis, and bacterial vaginitis ^{[1][2][3]} .
IC₅₀ & Target	IC ₅₀ : 3873 μM (CYP2C19), 3722 μM (CYP3A4), 503 μM (ALDH2) ^[2] . MIC ₅₀ : 10mg/mL (<i>S.marcescens</i>) ^[3] .

REFERENCES

- [1]. Secnidazole. LiverTox: Clinical and Research Information on Drug-Induced Liver Injury, National Institute of Diabetes and Digestive and Kidney Diseases, 25 February 2020.
- [2]. Helen S Pentikis, et al. In vitro metabolic profile and drug-drug interaction assessment of secnidazole, a high-dose 5-nitroimidazole antibiotic for the treatment of bacterial vaginosis. *Pharmacol Res Perspect*. 2020 Aug;8(4):e00634.
- [3]. Ahdab N Khayyat, et al. Secnidazole Is a Promising Imidazole Mitigator of *Serratia marcescens* Virulence. *Microorganisms*. 2021 Nov 11;9(11):2333.

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

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