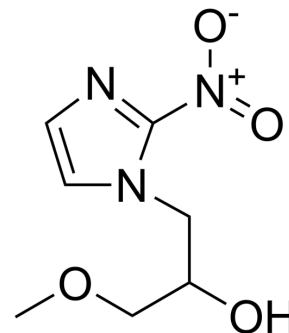


Misonidazole

Cat. No.:	HY-105061
CAS No.:	13551-87-6
Molecular Formula:	C ₇ H ₁₁ N ₃ O ₄
Molecular Weight:	201.18
Target:	Bacterial; Parasite
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Misonidazole (Ro 7-0582; SR 1354) is a hypoxic tumor cell radiosensitizer^[1]. Misonidazole also has antimicrobial effects^[2].

REFERENCES

[1]. Bibo Li, et al. Preparation, Characterization, and In Vitro pH-sensitivity Evaluation of Superparamagnetic Iron Oxide Nanoparticle- Misonidazole pH-sensitive Liposomes. *Curr Drug Deliv.* 2019;16(3):254-267.

[2]. R.C Knight, et al. Mechanism of action of nitroimidazole antimicrobial and antitumour radiosensitizing drugs. Effects of reduced misonidazole on DNA. *Int J Radiat Biol Relat Stud Phys Chem Med.* 1979 Oct;36(4):367-77.

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

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