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Produktinformation

- Forschungsprodukte & Biochemikalien
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- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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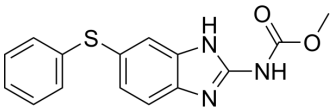
Fenbendazole (Standard)

Cat. No.:	HY-B0413R
CAS No.:	43210-67-9
Molecular Formula:	$C_{15}H_{13}N_3O_2S$
Molecular Weight:	299.35
Target:	Parasite; HIF/HIF Prolyl-Hydroxylase; Microtubule/Tubulin; Antibiotic
Pathway:	Anti-infection; Metabolic Enzyme/Protease; Cell Cycle/DNA Damage; Cytoskeleton
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Fenbendazole (Standard) is the analytical standard of Fenbendazole. This product is intended for research and analytical applications. Fenbendazole is an orally active benzimidazole anthelmintic agent, with a broad antiparasitic range. Fenbendazole is a microtubule destabilizing agent and acts on helminthes primarily by binding to tubulin and disrupting the tubulin microtubule equilibrium. Fenbendazole stabilizes the transcriptional activator HIF-1α. Fenbendazole possesses an efficient anti-proliferative activity and induces apoptosis. Fenbendazole causes cell-cycle arrest and mitotic cell death, and has antitumor activity in mice xenografted with wild-type p53[1].

REFERENCES

[1]. Nilambra Dogra, et al. Fenbendazole acts as a moderate microtubule destabilizing agent and causes cancer cell death by modulating multiple cellular pathways. Sci Rep. 2018 Aug 9;8(1):11926.

[2]. Qiwen Duan, et al. Fenbendazole as a potential anticancer drug. Anticancer Res. 2013 Feb;33(2):355-62.

[3]. Hossein Aleyasin, et al. Antihelminthic benzimidazoles are novel HIF activators that prevent oxidative neuronal death via binding to tubulin. Antioxid Redox Signal. 2015 Jan 10;22(2):121-34.

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