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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



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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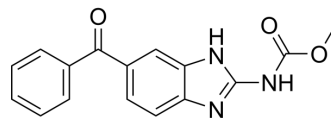
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Mebendazole (Standard)

| | |
|--------------------|---|
| Cat. No.: | HY-17595R |
| CAS No.: | 31431-39-7 |
| Molecular Formula: | C ₁₆ H ₁₃ N ₃ O ₃ |
| Molecular Weight: | 295.29 |
| Target: | Apoptosis; Parasite; Microtubule/Tubulin |
| Pathway: | Apoptosis; Anti-infection; Cell Cycle/DNA Damage; Cytoskeleton |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | |
|---------------------------|---|
| Description | Mebendazole (Standard) is the analytical standard of Mebendazole. This product is intended for research and analytical applications. Mebendazole is a highly effective, broad-spectrum anthelmintic against nematode infestations. Mebendazole also exhibits inhibitory effect against glioblastoma multiforme (GBM), inhibits Hedgehog pathway and tubulin polymerization. Mebendazole is orally active and can cross CNS penetration ^{[1][2][3]} . |
| IC ₅₀ & Target | Tublin polymerization ^[1] ; Hedgehog ^[2] ; Parasite ^[3] |

REFERENCES

- [1]. Bai RY, et al. Antiparasitic mebendazole shows survival benefit in 2 preclinical models of glioblastoma multiforme. *Neuro Oncol.* 2011 Sep;13(9):974-82.
- [2]. Larsen AR, et al. Repurposing the anthelmintic mebendazole as a hedgehog inhibitor. *Mol Cancer Ther.* 2015 Jan;14(1):3-13.
- [3]. Erdinçler P, et al. The role of mebendazole in the surgical treatment of central nervous system hydatid disease. *Br J Neurosurg.* 1997 Apr;11(2):116-20.

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

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