



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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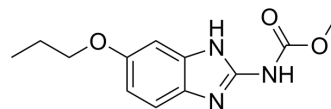
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Oxibendazole (Standard)

| | |
|---------------------------|---|
| Cat. No.: | HY-B0299R |
| CAS No.: | 20559-55-1 |
| Molecular Formula: | C ₁₂ H ₁₅ N ₃ O ₃ |
| Molecular Weight: | 249.27 |
| Target: | Parasite; Apoptosis |
| Pathway: | Anti-infection; Apoptosis |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



SOLVENT & SOLUBILITY

In Vitro

DMSO : 5 mg/mL (20.06 mM; ultrasonic and warming and heat to 60°C)

| Solvent | Mass | Concentration | | |
|---------------------------|-------|---------------|------------|------------|
| | | 1 mg | 5 mg | 10 mg |
| Preparing Stock Solutions | 1 mM | 4.0117 mL | 20.0586 mL | 40.1171 mL |
| | 5 mM | 0.8023 mL | 4.0117 mL | 8.0234 mL |
| | 10 mM | 0.4012 mL | 2.0059 mL | 4.0117 mL |

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Oxibendazole (Standard) is the analytical standard of Oxibendazole. This product is intended for research and analytical applications. Oxibendazole is an effective benzimidazole anthelmintic and is against nema-tode infections. Oxibendazole can induces apoptosis and has anti-cancer and anti-inflammation activities^{[1][2]}.

REFERENCES

- [1]. Hahyun Park , et al.Oxibendazole induces apoptotic cell death in proliferating porcine trophoctoderm and uterine luminal epithelial cells via mitochondria-mediated calcium disruption and breakdown of mitochondrial membrane potential. *Comp Biochem Physiol C Toxicol Pharmacol.* 2019 Jun;220:9-19.
- [2]. Qiaoli Chen, et al. Oxibendazole inhibits prostate cancer cell growth. *Oncol Lett.* 2018 Feb;15(2):2218-2226.

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

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