



# SZABO SCANDIC

Part of Europa Biosite

## 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

### SZABO-SCANDIC HandelsgmbH

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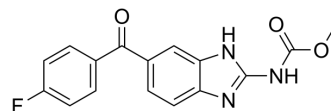
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## Flubendazole (Standard)

Cat. No.:	HY-B0294R
CAS No.:	31430-15-6
Molecular Formula:	C <sub>16</sub> H <sub>12</sub> FN <sub>3</sub> O <sub>3</sub>
Molecular Weight:	313.28
Target:	Parasite; Autophagy; STAT; MDM-2/p53; Microtubule/Tubulin; Apoptosis
Pathway:	Anti-infection; Autophagy; JAK/STAT Signaling; Stem Cell/Wnt; Apoptosis; Cell Cycle/DNA Damage; Cytoskeleton
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Flubendazole (Standard) is the analytical standard of Flubendazole. This product is intended for research and analytical applications. Flubendazole is an anthelmintic drug based on altering microtubule structure, inhibition of tubulin polymerization and disruption of microtubule function. Flubendazole induces apoptosis in human colorectal cancer (CRC) by blocking the STAT3 signaling axis and activation of autophagy. Flubendazole induces P53 expression and reduced Cyclin B1 and p-cdc2 expression. Flubendazole is an antitumor agent. Flubendazole can be used for worm and intestinal parasites [1][2].

### REFERENCES

- [1]. Zhou X, et al. Flubendazole inhibits glioma proliferation by G2/M cell cycle arrest and pro-apoptosis. *Cell Death Discov.* 2018 Feb 14;4:18.
- [2]. Shichong Lin, et al. Flubendazole demonstrates valid antitumor effects by inhibiting STAT3 and activating autophagy. *J Exp Clin Cancer Res.* 2019 Jul 8;38(1):293.

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

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