



# 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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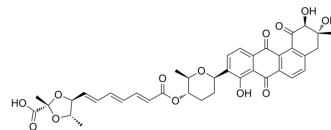
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## Waldiomycin

Cat. No.:	HY-N13059
CAS No.:	1342200-33-2
Molecular Formula:	C <sub>38</sub> H <sub>38</sub> O <sub>13</sub>
Molecular Weight:	702.7
Target:	Antibiotic
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Waldiomycin is an antibiotic found in *Streptomyces* sp. MK844-mF10 that has inhibitory effects on low GC-content Gram-positive bacteria. Waldiomycin inhibits the activity of WalK kinase by targeting its ATP-binding domain, thereby blocking the WalK/WalR signal transduction system, which plays a role in cell growth and division<sup>[1][2]</sup>.

### REFERENCES

- [1]. Igarashi, et al. Waldiomycin, a novel WalK-histidine kinase inhibitor from *Streptomyces* sp. MK844-mF10. *The Journal of antibiotics* 66.8 (2013): 459-464.
- [2]. Ishikawa, et al. Synthesis and biochemical characterization of naphthoquinone derivatives targeting bacterial histidine kinases. *The Journal of Antibiotics* (2024): 1-11.

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

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