



# 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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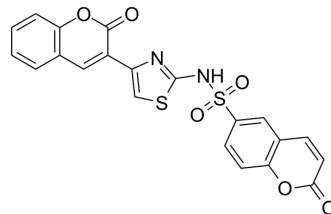
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## Anti-inflammatory agent 84

Cat. No.:	HY-158402
Molecular Formula:	C <sub>21</sub> H <sub>12</sub> N <sub>2</sub> O <sub>6</sub> S <sub>2</sub>
Molecular Weight:	452.46
Target:	Bacterial; Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Anti-inflammatory agent 84 (Compound 4D) is a derivative of Coumarin (HY-N0709) with antimicrobial and anti-inflammatory activities. Anti-inflammatory agent 84 inhibits *E. coli*, *Candida albicans*, *Staphylococcus aureus* and methicillin-resistant *S. aureus* (MRSA), with MIC of 312, 156, 19 and 316 µg/mL, respectively. Anti-inflammatory agent 84 inhibits biofilm formation of *S. aureus*, *E. coli* and MRSA, with IC<sub>50</sub> of 185, 321 and 99 µM, respectively. Anti-inflammatory agent 84 inhibits nitric oxide production in Lipopolysaccharide (HY-D1056)-stimulated RAW264.7 macrophage cell<sup>[1]</sup>.

### REFERENCES

[1]. Ahmed GE, et al., Synthesis, biofilm formation inhibitory, and inflammation inhibitory activities of new coumarin derivatives. *Sci Rep.* 2024 Apr 20;14(1):9106.

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

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