



# 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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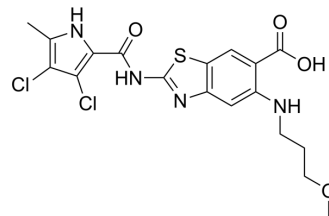
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## DNA gyrase B-IN-2

Cat. No.:	HY-155007		
Molecular Formula:	C <sub>18</sub> H <sub>18</sub> Cl <sub>2</sub> N <sub>4</sub> O <sub>4</sub> S		
Molecular Weight:	457.33		
Target:	Bacterial		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### BIOLOGICAL ACTIVITY

<b>Description</b>	DNA gyrase B-IN-2 (Compound E) is a 2-aminobenzothiazole-based DNA gyrase B inhibitor with promising activity against ESKAPE bacterial pathogens. DNA gyrase B-IN-2 showed low nanomolar inhibition of DNA gyrase (IC <sub>50</sub> < 10 nM) and broad-spectrum antibacterial activity against pathogens belonging to the ESKAPE group, with the minimum inhibitory concentration < 0.03 µg/mL for most Gram-positive strains and 4–16 µg/mL against Gram-negative <i>E. coli</i> , <i>Acinetobacter baumannii</i> , <i>Pseudomonas aeruginosa</i> , and <i>Klebsiella pneumoniae</i> . DNA gyrase B-IN-2 can be used for the research of infection <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	IC <sub>50</sub> : DNA gyrase (< 10 nM) <sup>[1]</sup> .

### REFERENCES

[1]. Sterle M, et al. Exploring the 5-Substituted 2-Aminobenzothiazole-Based DNA Gyrase B Inhibitors Active against ESKAPE Pathogens. ACS Omega. 2023 Jun 28;8(27):24387-24395.

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

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