



# 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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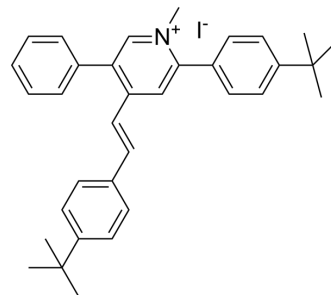
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## MA220607

<b>Cat. No.:</b>	HY-149734
<b>CAS No.:</b>	2922826-56-8
<b>Molecular Formula:</b>	C <sub>34</sub> H <sub>38</sub> IN
<b>Molecular Weight:</b>	587.58
<b>Target:</b>	Bacterial
<b>Pathway:</b>	Anti-infection
<b>Storage:</b>	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 116.67 mg/mL (198.56 mM; Need ultrasonic)

Solvent	Mass Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.7019 mL	8.5095 mL	17.0190 mL
	5 mM	0.3404 mL	1.7019 mL	3.4038 mL
	10 mM	0.1702 mL	0.8509 mL	1.7019 mL

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

### BIOLOGICAL ACTIVITY

#### Description

MA220607 is an antibacterial agent with low hemolytic toxicity and a dual-target mechanism of action (MOA). MA220607 promotes FtsZ protein polymerization, also increases the permeability of bacterial membranes and inhibits biofilm formation. The resistance rate of MA220607 is low, and the MICs against Gram-positive bacteria and Gram-negative bacteria are Table 0.062-2 µg/mL and 0.5-4 µg/mL, respectively)<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

FtsZ<sup>[1]</sup>

### REFERENCES

[1]. Ma Y et al. New broad-spectrum and potent antibacterial agents with dual-targeting mechanism: Promoting FtsZ polymerization and disrupting bacterial membranes. Eur J Med Chem. 2023 Nov 7;263:115930.

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

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