



SZABO SCANDIC

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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

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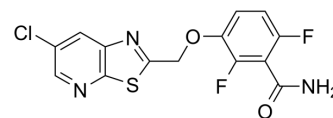
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PC190723

Cat. No.:	HY-146331
CAS No.:	951120-33-5
Molecular Formula:	C ₁₄ H ₈ ClF ₂ N ₃ O ₂ S
Molecular Weight:	355.75
Target:	Bacterial; Antibiotic
Pathway:	Anti-infection
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 200 mg/mL (562.19 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		2.8110 mL	14.0548 mL	28.1096 mL
		5 mM		0.5622 mL	2.8110 mL	5.6219 mL
		10 mM		0.2811 mL	1.4055 mL	2.8110 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 5 mg/mL (14.05 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 5 mg/mL (14.05 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 5 mg/mL (14.05 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	PC190723 (Compound 2) is an inhibitor of the bacterial cell division protein FtsZ with an IC ₅₀ of 55 ng/ml. FtsZ-IN-3 exhibits anti-staphylococcal activity with MIC values of 1 µg/ml for MSSA and MRSA ^[1] .
IC ₅₀ & Target	IC ₅₀ : 55 ng/ml (FtsZ) ^[1]

REFERENCES

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

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