



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 Handels GmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

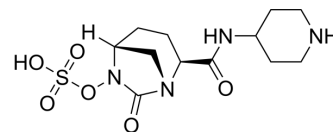
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Relebactam

Cat. No.:	HY-16752
CAS No.:	1174018-99-5
Molecular Formula:	C ₁₂ H ₂₀ N ₄ O ₆ S
Molecular Weight:	348.38
Target:	Bacterial; Beta-lactamase
Pathway:	Anti-infection
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 2 years -20°C 1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (358.80 mM; Need ultrasonic)					
	H ₂ O : 50 mg/mL (143.52 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM	2.8704 mL	14.3521 mL	28.7043 mL	
		5 mM	0.5741 mL	2.8704 mL	5.7409 mL	
10 mM	0.2870 mL	1.4352 mL	2.8704 mL			
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: PBS					
	Solubility: 25 mg/mL (71.76 mM); Clear solution; Need ultrasonic					

BIOLOGICAL ACTIVITY

Description	Relebactam is a diazabicyclooctane inhibitor with activity against a wide spectrum of β -lactamases, including class A (extended-spectrum β -lactamases and KPC) and class C (AmpC) enzymes. Relebactam shows antibacterial activity ^[1] .
In Vitro	Relebactam combine with Imipenem demonstrates activity against KPC-producing Enterobacteriaceae and multidrug-resistant <i>P. aeruginosa</i> ^[1] . Relebactam shows limited inhibition of Class D-producing bacteria and has antipseudomonal activity ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

-
- Int J Antimicrob Agents. 3 September 2022, 106669.
 - ACS Infect Dis. 2021 Mar 16.
 - J Antimicrob Chemother. 2021 May 6;dkab141.
 - J Antimicrob Chemother. 2021 Feb 11;76(3):653-658.
 - Antimicrob Agents Chemother. 2023 Nov 16:e0034623.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. Lapuebla A, et al. Activity of Imipenem with Relebactam against Gram-Negative Pathogens from New York City. Antimicrob Agents Chemother. 2015 Aug;59(8):5029-31.
- [2]. Bush K. A resurgence of β -lactamase inhibitor combinations effective against multidrug-resistant Gram-negative pathogens. Int J Antimicrob Agents. 2015 Nov;46(5):483-93.
-

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA