



# 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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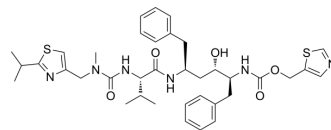
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## Ritonavir (Standard)

<b>Cat. No.:</b>	HY-90001R
<b>CAS No.:</b>	155213-67-5
<b>Molecular Formula:</b>	C <sub>37</sub> H <sub>48</sub> N <sub>6</sub> O <sub>5</sub> S <sub>2</sub>
<b>Molecular Weight:</b>	720.94
<b>Target:</b>	HIV Protease; HIV; Apoptosis; SARS-CoV
<b>Pathway:</b>	Anti-infection; Metabolic Enzyme/Protease; Apoptosis
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 25 mg/mL (34.68 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.3871 mL	6.9354 mL	13.8708 mL
	5 mM	0.2774 mL	1.3871 mL	2.7742 mL
	10 mM	0.1387 mL	0.6935 mL	1.3871 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Ritonavir (Standard) is the analytical standard of Ritonavir. This product is intended for research and analytical applications. Ritonavir (ABT 538) is an inhibitor of HIV protease used to treat HIV infection and AIDS. Ritonavir is also a SARS-CoV 3CL<sup>PRO</sup> inhibitor with an IC<sub>50</sub> of 1.61 μM.

### REFERENCES

- [1]. Eagling VA, et al. Differential inhibition of cytochrome P450 isoforms by the protease inhibitors, ritonavir, saquinavir and indinavir. *Br J Clin Pharmacol.* 1997 Aug;44(2):190-4.
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- [3]. Weichold FF, et al. HIV-1 protease inhibitor ritonavir modulates susceptibility to apoptosis of uninfected T cells. *J Hum Virol.* 1999 Sep-Oct;2(5):261-9.
- [4]. Drewe J, et al. HIV protease inhibitor ritonavir: a more potent inhibitor of P-glycoprotein than the cyclosporine analog SDZ PSC 833. *Biochem Pharmacol.* 1999 May 15;57(10):1147-52.

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[5]. Kumar GN, et al. Potent inhibition of the cytochrome P-450 3A-mediated human liver microsomal metabolism of a novel HIV protease inhibitor by ritonavir: A positive drug-drug interaction. *Drug Metab Dispos.* 1999 Aug;27(8):902-8.

[6]. Qi Sun, et al. Bardoxolone and bardoxolone methyl, two Nrf2 activators in clinical trials, inhibit SARS-CoV-2 replication and its 3C-like protease. *Signal Transduct Target Ther.* 2021 May 29;6(1):212.

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

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