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Produktinformation



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Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

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

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

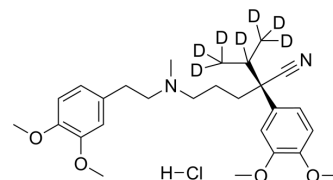
mail@szabo-scandic.com

www.szabo-scandic.com

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

(R)-Verapamil-d₇ hydrochloride

Cat. No.:	HY-135336S
Molecular Formula:	C ₂₇ H ₃₂ D ₇ ClN ₂ O ₄
Molecular Weight:	498.11
Target:	P-glycoprotein; Apoptosis; Isotope-Labeled Compounds
Pathway:	Membrane Transporter/Ion Channel; Apoptosis; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

(R)-Verapamil-d₇ (hydrochloride) is a deuterium labeled (R)-Verapamil hydrochloride. (R)-Verapamil hydrochloride ((R)-(+)-Verapamil hydrochloride) is a P-Glycoprotein inhibitor. (R)-Verapamil hydrochloride blocks MRP1 mediated transport, resulting in chemosensitization of MRP1-overexpressing cells to anticancer agents[1][2].

REFERENCES

- [1]. Plumb JA, et al. The activity of verapamil as a resistance modifier in vitro in drug resistant human tumour cell lines is not stereospecific. *Biochem Pharmacol.* 1990 Feb 15;39(4):787-92.
- [2]. Perrotton T, et al. (R)- and (S)-verapamil differentially modulate the multidrug-resistant protein MRP1. *J Biol Chem.* 2007 Oct 26;282(43):31542-8. Epub 2007 Jul 22.

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