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Produktinformation



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Lieferung & Zahlungsart

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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

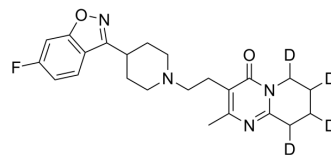
mail@szabo-scandic.com

www.szabo-scandic.com

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

Risperidone-d₄-1

Cat. No.:	HY-11018S1
Molecular Formula:	C ₂₃ H ₂₃ D ₄ FN ₄ O ₂
Molecular Weight:	414.51
Target:	Isotope-Labeled Compounds; Dopamine Receptor; P-glycoprotein; 5-HT Receptor
Pathway:	Others; GPCR/G Protein; Neuronal Signaling; Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Risperidone-d₄-1 (R 64 766-d₄-1) is the deuterium labeled Risperidone (HY-11018). Risperidone is a serotonin 5-HT₂ receptor blocker, P-Glycoprotein inhibitor and potent dopamine D₂ receptor antagonist, with K_is of 4.8, 5.9 nM for 5-HT_{2A} and dopamine D₂ receptor, respectively.

REFERENCES

- [1]. Chen ML, et al. Risperidone modulates the cytokine and chemokine release of dendritic cells and induces TNF- α -directed cell apoptosis in neutrophils. *Int Immunopharmacol.* 2012 Jan;12(1):197-204.
- [2]. Nyberg S, et al. 5-HT₂ and D₂ dopamine receptor occupancy in the living human brain. A PET study with risperidone. *Psychopharmacology (Berl).* 1993;110(3):265-72.
- [3]. Bardgett ME, et al. Adult rats treated with risperidone during development are hyperactive. *Exp Clin Psychopharmacol.* 2013 Jun;21(3):259-67.
- [4]. Zhu HJ, et al. Risperidone and paliperidone inhibit p-glycoprotein activity in vitro. *Neuropsychopharmacology.* 2007 Apr;32(4):757-64.

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