



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

Quellenstraße 110, A-1100 Wien

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

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

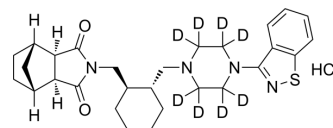
mail@szabo-scandic.com

www.szabo-scandic.com

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

Lurasidone-d₈-1 hydrochloride

Cat. No.:	HY-W654010
Molecular Formula:	C ₂₈ H ₂₉ D ₈ ClN ₄ O ₂ S
Molecular Weight:	537.19
Target:	Isotope-Labeled Compounds; 5-HT Receptor; Dopamine Receptor
Pathway:	Others; GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Lurasidone-d₈-1 (hydrochloride) is deuterium labeled Lurasidone (Hydrochloride). Lurasidone (Hydrochloride) (SM-13496 (Hydrochloride)) is an antagonist of both dopamine D₂ and 5-HT₇ with IC₅₀s of 1.68 and 0.495 nM, respectively. Lurasidone (Hydrochloride) (SM-13496 (Hydrochloride)) is also a partial agonist of 5-HT_{1A} receptor with an IC₅₀ of 6.75 nM^[1].

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019 Feb;53(2):211-216.
- [2]. Sakine Atila Karaca, et al. Development of a validated high-performance liquid chromatographic method for the determination of Lurasidone in pharmaceuticals. Marmara Pharm J. 2017;21 (4): 931-937.
- [3]. Ishibashi T, et al. Pharmacological profile of lurasidone, a novel antipsychotic agent with potent 5-hydroxytryptamine 7 (5-HT₇) and 5-HT_{1A} receptor activity. J Pharmacol Exp Ther. 2010 Jul;334(1):171-81.

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