



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

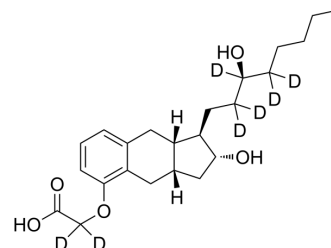
mail@szabo-scandic.com

www.szabo-scandic.com

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

Treprostinil-d₇

Cat. No.:	HY-100441S3
Molecular Formula:	C ₂₃ H ₂₇ D ₇ O ₅
Molecular Weight:	397.56
Target:	Isotope-Labeled Compounds; Prostaglandin Receptor
Pathway:	Others; GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Treprostinil-d₇ (UT-15-d₇) is a deuterated version of Treprostinil (HY-100441). Treprostinil is a highly potent DP1 and EP2 agonist with EC₅₀s of 0.6 nM and 6.2 nM, respectively^{[1][2][3][4][5][6][7]}.

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019;53(2):211-216.
- [2]. Whittle BJ, et al. Binding and activity of the prostacyclin receptor (IP) agonists, treprostinil and iloprost, at human prostanoid receptors: treprostinil is a potent DP1 and EP2 agonist. *Biochem Pharmacol*. 2012 Jul 1;84(1):68-75.
- [3]. Ferrantino M, et al. Inhaled treprostinil sodium for the treatment of pulmonary arterial hypertension. *Expert Opin Pharmacother*. 2011 Nov;12(16):2583-93.
- [4]. Ghonem N, et al. Treprostinil, a prostacyclin analog, ameliorates ischemia-reperfusion injury in rat orthotopic liver transplantation. *Am J Transplant*. 2011 Nov;11(11):2508-16.
- [5]. Smadja DM, et al. Treprostinil indirectly regulates endothelial colony forming cell angiogenic properties by increasing VEGF-A produced by mesenchymal stem cells. *Thromb Haemost*. 2015 Oct;114(4):735-47.
- [6]. Kazemi Z, et al. Repurposing Treprostinil for Enhancing Hematopoietic Progenitor Cell Transplantation. *Mol Pharmacol*. 2016 Jun;89(6):630-44.
- [7]. Nikam VS, et al. Treprostinil inhibits the recruitment of bone marrow-derived circulating fibrocytes in chronic hypoxic pulmonary hypertension. *Eur Respir J*. 2010 Dec;36(6):1302-14.

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