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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

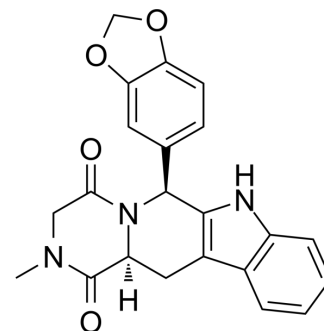
mail@szabo-scandic.com

www.szabo-scandic.com

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

ent-Tadalafil

Cat. No.:	HY-90009C		
CAS No.:	629652-72-8		
Molecular Formula:	C ₂₂ H ₁₉ N ₃ O ₄		
Molecular Weight:	389.4		
Target:	Phosphodiesterase (PDE)		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (642.01 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM	2.5681 mL	12.8403 mL	25.6805 mL	
		5 mM	0.5136 mL	2.5681 mL	5.1361 mL	
		10 mM	0.2568 mL	1.2840 mL	2.5681 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (5.34 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (5.34 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	ent-Tadalafil (ent-IC-351), compound (6S,12aS), is a inactive cis-enantiomer of compound (6R,12aS). compound (6R,12aS) is a potent PDE5 inhibitor with an IC ₅₀ of 0.090 μM, while ent-Tadalafil is inactive at concentrations up to 10 μM ^[1] .
IC ₅₀ & Target	PDE5 10 μM (IC ₅₀)

REFERENCES

[1]. Daugan A, et al. The discovery of tadalafil: a novel and highly selective PDE5 inhibitor. 2: 2,3,6,7,12,12a-hexahydropyrazino[1',2':1,6]pyrido[3,4-b]indole-1,4-dione analogues. J Med Chem. 2003 Oct 9;46(21):4533-42.

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