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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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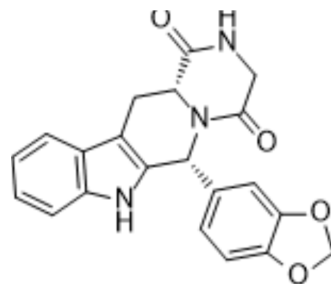
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Nortadalafil

Cat. No.:	HY-90009
CAS No.:	171596-36-4
Molecular Formula:	C ₂₁ H ₁₇ N ₃ O ₄
Molecular Weight:	375.38
Target:	Phosphodiesterase (PDE)
Pathway:	Metabolic Enzyme/Protease
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 2 years -20°C 1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (133.20 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		2.6640 mL	13.3198 mL	26.6397 mL
		5 mM		0.5328 mL	2.6640 mL	5.3279 mL
		10 mM		0.2664 mL	1.3320 mL	2.6640 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: ≥ 2.5 mg/mL (6.66 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.66 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Nortadalafil is demethyl Tadalafil, a PDE5 inhibitor.
IC ₅₀ & Target	PDE5

REFERENCES

[1]. Daugan, 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 analogue. Journal of Medicinal Chemistry (2003), 46(21), 4533-4542.

[2]. Porst H, et al. Chronic PDE-5 inhibition in patients with erectile dysfunction - a treatment approach using tadalafil once-daily. Expert Opin Pharmacother. 2012 Jul;13(10):1481-94.

[3]. Frey MK, Lang I. Tadalafil for the treatment of pulmonary arterial hypertension. Expert Opin Pharmacother. 2012 Apr;13(5):747-55.

Caution: Product has not been fully validated for medical applications. For research use only.

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