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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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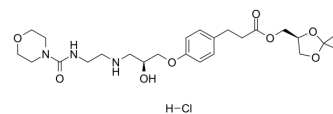
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Landirolol hydrochloride

Cat. No.:	HY-100607A
CAS No.:	144481-98-1
Molecular Formula:	C ₂₅ H ₄₀ ClN ₃ O ₈
Molecular Weight:	546.05
Target:	Adrenergic Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	4°C, sealed storage, away from moisture
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (457.83 mM; Need ultrasonic)				
	H ₂ O : ≥ 100 mg/mL (183.13 mM)				
	* "≥" means soluble, but saturation unknown.				
	Preparing Stock Solutions	Solvent Concentration Mass	1 mg	5 mg	10 mg
		1 mM	1.8313 mL	9.1567 mL	18.3133 mL
5 mM		0.3663 mL	1.8313 mL	3.6627 mL	
10 mM		0.1831 mL	0.9157 mL	1.8313 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 (3.81 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (3.81 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (3.81 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Landirolol hydrochloride (ONO1101 hydrochloride) is a highly beta1 selective ultra-short acting beta-blocker (β1/β2 selectivity = 255:1, a half-life of 4 min) acts as an adrenoceptor antagonist ^[1] .
IC ₅₀ & Target	beta-adrenergic receptor ^[1]

REFERENCES

[1]. Atarashi H, et al. Pharmacokinetics of landiolol hydrochloride, a new ultra-short-acting beta-blocker, in patients with cardiac arrhythmias. Clin Pharmacol Ther. 2000 Aug;68(2):143-50.

[2]. Okajima M, et al. Landiolol, an ultra-short-acting β 1-blocker, is useful for managing supraventricular tachyarrhythmias in sepsis. World J Crit Care Med. 2015 Aug 4;4(3):251-7.

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

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