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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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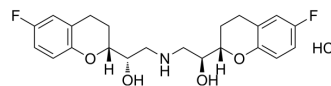
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Nebivolol hydrochloride (Standard)

Cat. No.:	HY-B0203AR
CAS No.:	152520-56-4
Molecular Formula:	C ₂₂ H ₂₆ ClF ₂ NO ₄
Molecular Weight:	441.9
Target:	Adrenergic Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (226.30 mM; Need ultrasonic)
 H₂O : 1.79 mg/mL (4.05 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM	2.2630 mL	11.3148 mL	22.6296 mL
5 mM	0.4526 mL	2.2630 mL	4.5259 mL		
10 mM	0.2263 mL	1.1315 mL	2.2630 mL		

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Nebivolol (hydrochloride) (Standard) is the analytical standard of Nebivolol (hydrochloride). This product is intended for research and analytical applications. Nebivolol (R 065824) hydrochloride is an orally active beta receptor blocker and has the high beta(1)-receptor affinity. Nebivolol hydrochloride has direct vasodilator properties and adrenergic blocking characteristics. Nebivolol hydrochloride can be used for the research of kinds of diseases such as hypertension, coronary artery disease, congestive heart failure and ischemic heart disease^{[1][2]}.

REFERENCES

- [1]. Brehm BR, et al. Effects of nebivolol on proliferation and apoptosis of human coronary artery smooth muscle and endothelial cells. *Cardiovasc Res.* 2001 Feb 1;49(2):430-9.
- [2]. Thomas Münzel, et al. Nebivolol: the somewhat-different beta-adrenergic receptor blocker. *J Am Coll Cardiol.* 2009 Oct 13;54(16):1491-9.

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

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