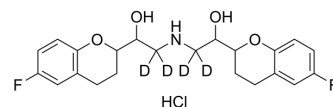


(Rac)-Nebivolol-d₄ hydrochloride

Cat. No.:	HY-W752055
CAS No.:	2701283-32-9
Molecular Formula:	C ₂₂ H ₂₂ D ₄ ClF ₂ NO ₄
Molecular Weight:	445.92
Target:	Adrenergic Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	(Rac)-Nebivolol-d ₄ hydrochloride is a labelled racemic Nebivolol. Nebivolol selectively inhibits β ₁ -adrenergic receptor with an IC ₅₀ of 0.8 nM ^{[1][2][3]} .
-------------	--

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019;53(2):211-216.
- [2]. Mercanoglu G, et al. The effects of nebivolol on apoptosis in a rat infarct model. Circ J. 2008 Apr;72(4):660-70.
- [3]. 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.

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