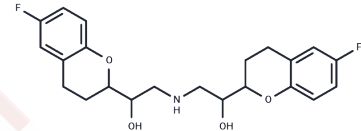


(Rac)-Nebivolol

Chemical Properties

CAS No. :	99200-09-6
Formula:	C ₂₂ H ₂₅ F ₂ N ₂ O ₄
Molecular Weight:	405.43
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	(Rac)-Nebivolol ((Rac)-R 065824) is a racemic isomer of Nebivolol, a selective β ₁ -adrenergic receptor antagonist (IC ₅₀ = 0.8 nM). Nebivolol exhibits vasodilatory activity and can prevent Nox2/NADPH oxidase up-regulation and lipoperoxidation in early stages of ethanol-induced cardiac toxicity.
Targets(IC50)	Others, Adrenergic Receptor, NADPH
In vivo	Nebivolol (10 mg/kg; daily for 7 days) significantly enhances endothelial function, elevates P-VASP levels, prevents NOS III uncoupling, and markedly inhibits NADPH oxidase in Angiotensin II-treated rats [3].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4665 mL	12.3326 mL	24.6652 mL
5 mM	0.4933 mL	2.4665 mL	4.933 mL
10 mM	0.2467 mL	1.2333 mL	2.4665 mL
50 mM	0.0493 mL	0.2467 mL	0.4933 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481