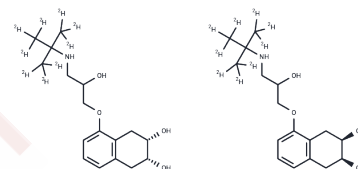


Nadolol-D9 (Mixture of Diastereomers)

Chemical Properties

CAS No. : 1432056-38-6
 Formula: C₃₄H₃₆D₁₈N₂O₈
 Molecular Weight: 636.91
 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	Nadolol-D9 (Mixture of Diastereomers) is a deuterated compound of Nadolol. Nadolol has a CAS number of 42200-33-9. Nadolol is a non-selective beta-adrenergic antagonist with antihypertensive and antiarrhythmic activities. Nadolol competitively blocks beta-1 adrenergic receptors located in the heart and vascular smooth muscle, inhibiting the activities of the catecholamines epinephrine and norepinephrine and producing negative inotropic and chronotropic effects. This agent exhibits antiarrhythmic activity via the impairment of atrioventricular (AV) node conduction and a corresponding reduction in sinus rate. In the kidney, inhibition of the beta-2 receptor within the juxtaglomerular apparatus results in the inhibition of renin production and a subsequent reduction in angiotensin II and aldosterone levels, thus inhibiting angiotensin II-dependent vasoconstriction and aldosterone-dependent water retention.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5701 mL	7.8504 mL	15.7008 mL
5 mM	0.314 mL	1.5701 mL	3.1402 mL
10 mM	0.157 mL	0.785 mL	1.5701 mL
50 mM	0.0314 mL	0.157 mL	0.314 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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