

N-Octanoyl dopamine

Chemical Properties

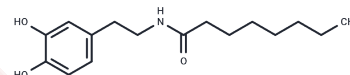
CAS No. : 105026-81-1

Formula: C₁₆H₂₅NO₃

Molecular Weight: 279.375

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	N-Octanoyl dopamine surpasses dopamine in preserving the contractile function of donor hearts from brain-dead individuals. Additionally, N-Octanoyl dopamine inhibits cytokine production in activated T cells and reduces the expression of MHC-II and adhesion molecules in endothelial cells stimulated by IFN γ .
Targets(IC50)	Dopamine Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5794 mL	17.8968 mL	35.7935 mL
5 mM	0.7159 mL	3.5794 mL	7.1587 mL
10 mM	0.3579 mL	1.7897 mL	3.5794 mL
50 mM	0.0716 mL	0.3579 mL	0.7159 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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