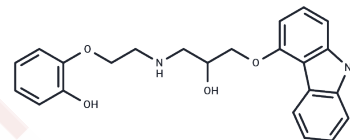


O-Desmethylcarvedilol

Chemical Properties

CAS No. :	72956-44-6
Formula:	C23H24N2O4
Molecular Weight:	392.45
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	O-Desmethylcarvedilol (Desmethylcarvedilol) is an active metabolite of Carvedilol, a non-selective β -adrenergic receptor (β -AR) antagonist. This compound inhibits store overload-induced calcium release in HEK293 cells expressing the RyR2 R4496C mutation (IC ₅₀ = 7.62 μ M). Additionally, O-Desmethylcarvedilol slows the increase in heart rate and prevents diastolic pressure reduction induced by Isoproterenol in conscious rabbits (ED ₅₀ s = 32 and 5 μ g/kg).
Targets(IC ₅₀)	Calcium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5481 mL	12.7405 mL	25.481 mL
5 mM	0.5096 mL	2.5481 mL	5.0962 mL
10 mM	0.2548 mL	1.274 mL	2.5481 mL
50 mM	0.051 mL	0.2548 mL	0.5096 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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