

AM-0883

Chemical Properties

CAS No. :

Formula: C₂₁H₂₁ClN₂O₃

Molecular Weight: 384.86

Keep away from direct sunlight

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	AM-0883 is an agonist of TRPC6 (transient receptor potential canonical 6) with a human TRPC6 EC ₅₀ of 46 nM. It is applicable for research in cardiac and renal diseases.
Targets(IC ₅₀)	TRP/TRPV Channel
In vitro	AM-0883 activates wild-type TRPC6 in HEK293T cells with an EC ₅₀ of 45.5 nM and the N-terminal truncated mutant TRPC6 (Δ 2-72) in HEK293T cells with an EC ₅₀ of 90.2 nM. It activates the channel through specific residues at the S6/pore helix junction. AM-0883 exhibits significantly stronger activation of the V867T/L868T double mutant compared to the wild-type channel.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5983 mL	12.9917 mL	25.9835 mL
5 mM	0.5197 mL	2.5983 mL	5.1967 mL
10 mM	0.2598 mL	1.2992 mL	2.5983 mL
50 mM	0.052 mL	0.2598 mL	0.5197 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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