

TRPC4/5-IN-1

Chemical Properties

CAS No. :

Formula: C₂₁H₂₁N₃O

Molecular Weight: 331.41

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	TRPC4/5-IN-1 can be used for the research of skin inflammatory diseases and proteinuric kidney diseases. TRPC4/5-IN-1 is a potent inhibitor of TRP channel 5/4 (TRPC5/4) with IC ₅₀ values of 0.54 μM and 2.06 μM, respectively. [1].
Targets(IC ₅₀)	Others,TRP/TRPV Channel
In vitro	Compound 8b (TRPC4/5-IN-1) effectively reduces protamine sulfate-triggered reorganization of the podocyte cytoskeleton, inhibits interleukin (IL)-17-stimulated cell proliferation, and decreases the expression of proinflammatory mediators in human keratinocyte HaCaT cells [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0174 mL	15.0871 mL	30.1741 mL
5 mM	0.6035 mL	3.0174 mL	6.0348 mL
10 mM	0.3017 mL	1.5087 mL	3.0174 mL
50 mM	0.0603 mL	0.3017 mL	0.6035 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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