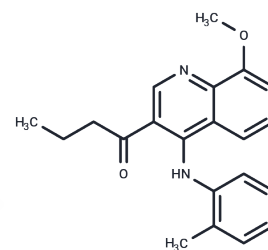


SKF96067

Chemical Properties

CAS No. : 115607-61-9
 Formula: C₂₁H₂₂N₂O₂
 Molecular Weight: 334.41
 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	SKF96067 is a reversible gastric H ⁺ /K ⁺ -ATPase inhibitor that can induce relaxation of human airway smooth muscle in vitro.
Targets(IC50)	ATPase, Proton pump
In vitro	In lyophilized gastric vesicles at pH 7.0, SKF96067 was found to inhibit K ⁺ -stimulated ATPase activity, in the presence of 1 mM KCl, with an IC ₅₀ value of 1.9 μM. Effects on the initial rate of acidification were monitored by the accumulation and quenching of the fluorescent dye acridine orange. SKF96067 inhibited the initial rate of acridine orange quenching with an IC ₅₀ of 0.84 μM. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9903 mL	14.9517 mL	29.9034 mL
5 mM	0.5981 mL	2.9903 mL	5.9807 mL
10 mM	0.299 mL	1.4952 mL	2.9903 mL
50 mM	0.0598 mL	0.299 mL	0.5981 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.

Reference

Keeling DJ, et al. SK&F 96067 is a reversible, lumenally acting inhibitor of the gastric (H⁺ + K⁺)-ATPase. *Biochem Pharmacol.* 1991 Jun 21;42(1):123-30.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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