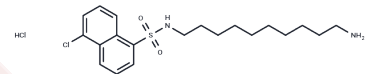


A-7 hydrochloride

Chemical Properties

CAS No. :	79127-24-5
Formula:	C ₂₀ H ₃₀ Cl ₂ N ₂ O ₂ S
Molecular Weight:	433.44
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	A-7 hydrochloride is a calmodulin antagonist and causes alterations in the subpopulation of CD44+CD24- in MDA-MB-231 cells.
Targets(IC50)	CaMK

Solubility Information

Solubility	DMSO: 4.34 mg/mL (10.01 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (2.31 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3071 mL	11.5356 mL	23.0712 mL
5 mM	0.4614 mL	2.3071 mL	4.6142 mL
10 mM	0.2307 mL	1.1536 mL	2.3071 mL
50 mM	0.0461 mL	0.2307 mL	0.4614 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

AN Wali, et al. Effect of three calmodulin antagonists on subpopulations of CD44/CD24 immunophenotypes in breast cancer cell lines. Tropical Journal of Pharmaceutical Research. 2015 Sep; 14(8).

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