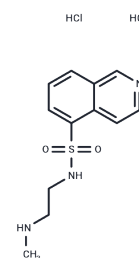


## H-8 hydrochloride

## Chemical Properties

CAS No. :	113276-94-1
Formula:	C <sub>12</sub> H <sub>17</sub> Cl <sub>2</sub> N <sub>3</sub> O <sub>2</sub> S
Molecular Weight:	338.25
Storage:	Keep away from moisture 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	H-8 hydrochloride is a reversible and ATP-competitive PKA inhibitor. It can be used to study metabolic diseases.
Targets(IC <sub>50</sub> )	PKA

## Solubility Information

Solubility	DMSO: 15 mg/mL (44.35 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: 2 mg/mL (5.91 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	2.9564 mL	14.782 mL	29.5639 mL
5 mM	0.5913 mL	2.9564 mL	5.9128 mL
10 mM	0.2956 mL	1.4782 mL	2.9564 mL
50 mM	0.0591 mL	0.2956 mL	0.5913 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

Niisato N, et al. Effects of PKA inhibitors, H-compounds, on epithelial Na<sup>+</sup> channels via PKA-independent mechanisms. Life Sci. 1999;65(10):PL109-14.

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