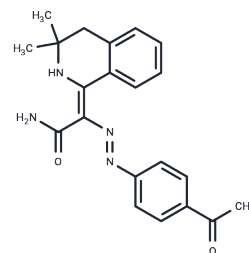


## IQ 1

## Chemical Properties

CAS No. :	331001-62-8
Formula:	C <sub>21</sub> H <sub>22</sub> N <sub>4</sub> O <sub>2</sub>
Molecular Weight:	362.42
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	IQ 1 has multiple roles, such as maintaining the multifunctionality of mouse ESCs, decreasing Wnt-stimulated phosphorylation, blocking PP2A/Nkd interactions, and so on.
Targets(IC50)	Wnt/beta-catenin

## Solubility Information

Solubility	H <sub>2</sub> O: < 1 mg/mL (insoluble or slightly soluble), DMSO: 45 mg/mL (124.17 mM),Sonication is recommended. Ethanol: 7 mg/mL (19.31 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 (2.76 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	2.7592 mL	13.7961 mL	27.5923 mL
5 mM	0.5518 mL	2.7592 mL	5.5185 mL
10 mM	0.2759 mL	1.3796 mL	2.7592 mL
50 mM	0.0552 mL	0.2759 mL	0.5518 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

Sasaki T, et al. PLoS One. 2013, 8(9):e75010.

Sasaki T, et al. Transl Respir Med. 2014, 2:8.

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