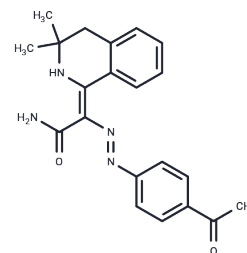


IQ 1

Chemical Properties

CAS No. :	331001-62-8
Formula:	C ₂₁ H ₂₂ N ₄ O ₂
Molecular Weight:	362.42
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



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(IC ₅₀)	Wnt/beta-catenin

Solubility Information

Solubility	H ₂ 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)
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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.

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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