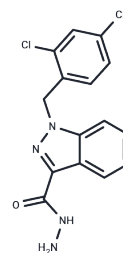


## Adjudin

## Chemical Properties

CAS No. :	252025-52-8
Formula:	C <sub>15</sub> H <sub>12</sub> Cl <sub>2</sub> N <sub>4</sub> O
Molecular Weight:	335.19
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	Adjudin (AF-2364) is a small molecule compound known to possess antispermatogenic function, attenuates microglia activation by suppression of the NF-κB pathway.
Targets(IC50)	Mitochondrial Metabolism, Chloride channel

## Solubility Information

Solubility	DMSO: 55 mg/mL (164.09 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	50% PEG300+50% Saline: 20 mg/mL (59.67 mM), Suspension. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (2.98 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	2.9834 mL	14.9169 mL	29.8338 mL
5 mM	0.5967 mL	2.9834 mL	5.9668 mL
10 mM	0.2983 mL	1.4917 mL	2.9834 mL
50 mM	0.0597 mL	0.2983 mL	0.5967 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

Mruk DD. Trends Endocrinol Metab. 2008 Mar;19(2):57-64.

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