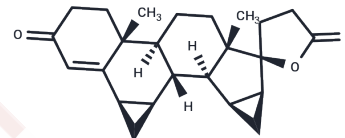


## Drospirenone

## Chemical Properties

CAS No. :	67392-87-4
Formula:	C <sub>24</sub> H <sub>30</sub> O <sub>3</sub>
Molecular Weight:	366.49
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	Drospirenone (ZK 3059) is a synthetic spironolactone analogue and progestin with progestational and anti-mineralocorticoid activity.
Targets(IC50)	Glucocorticoid Receptor, Estrogen/progestogen Receptor, Androgen Receptor, COX, Progesterone Receptor

## Solubility Information

Solubility	Ethanol: 9 mg/mL (24.56 mM), Sonication is recommended. DMSO: 25.79 mg/mL (70.37 mM), Sonication is recommended. H <sub>2</sub> O: < 1 mg/mL (insoluble or slightly soluble), (< 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 (5.46 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	2.7286 mL	13.6429 mL	27.2859 mL
5 mM	0.5457 mL	2.7286 mL	5.4572 mL
10 mM	0.2729 mL	1.3643 mL	2.7286 mL
50 mM	0.0546 mL	0.2729 mL	0.5457 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

Bray JD, et al. J Steroid Biochem Mol Biol. 2005 Dec;97(4):328-41.

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