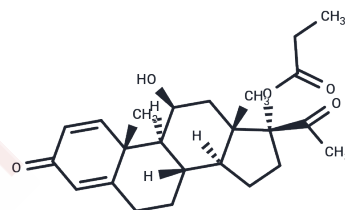


## Deprodone propionate

## Chemical Properties

CAS No. :	20424-00-4
Formula:	C <sub>24</sub> H <sub>32</sub> O <sub>5</sub>
Molecular Weight:	400.51
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	Deprodone propionate (RD20000) is a synthetic corticosteroid suitable for inflammation research.
Targets(IC50)	Immunology/Inflammation related
In vitro	With Deprodone propionate as the active ingredient, it can maximize and prolong its efficacy. This component exhibits no skin irritation and maintains stable physicochemical properties. Through the thickening effect of suspending agents, Deprodone propionate can sustain a stable suspension state [1].

## Solubility Information

Solubility	DMSO: 200 mg/mL (499.36 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: 3.3 mg/mL (8.24 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

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	2.4968 mL	12.4841 mL	24.9682 mL
5 mM	0.4994 mL	2.4968 mL	4.9936 mL
10 mM	0.2497 mL	1.2484 mL	2.4968 mL
50 mM	0.0499 mL	0.2497 mL	0.4994 mL

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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

Takashi Narui, et al. Water and deprodone proprionate -containing external preparations. EP 0473810 B1.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481