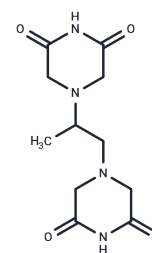


## Razoxane

## Chemical Properties

CAS No. :	21416-67-1
Formula:	C <sub>11</sub> H <sub>16</sub> N <sub>4</sub> O <sub>4</sub>
Molecular Weight:	268.27
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	Razoxane is used as an antimetabolic agent with immunosuppressive properties.
Targets(IC50)	Topoisomerase
In vivo	This tumor model is characterized by osteoid formation and spontaneous metastasization to lungs, kidneys and lymph nodes. Razoxane given intraperitoneally (i. p.) from 2 days before to 14 days after tumor transplantation (30 mg/kg or 10 mg/kg per day) resulted in a dose-dependent prolongation of median survival time (83 or 48 days respectively, versus 38 days for the control group), but showed no influence on the growth of the primary tumor. Early treatment with razoxane (30 mg/kg i.p. from day -2 to +14) showed a greater inhibition of pulmonary metastases than later treatment (30 mg/kg i.p. from day +14 to +28 after transplantation). Whereas 59.9 per cent of the total sectional area of the lungs in the control animals was covered by osteosarcoma metastases, only 3.4 per cent and 26.1 per cent respectively was affected in the early and late razoxane treatment groups. Toxic side-effects of these treatment schedules were reversible diffuse alopecia, but no retardation of body weight gain[2].

## Solubility Information

Solubility	DMSO: 60 mg/mL (223.66 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: 2 mg/mL (7.46 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

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	3.7276 mL	18.6379 mL	37.2759 mL
5 mM	0.7455 mL	3.7276 mL	7.4552 mL
10 mM	0.3728 mL	1.8638 mL	3.7276 mL
50 mM	0.0746 mL	0.3728 mL	0.7455 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.

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