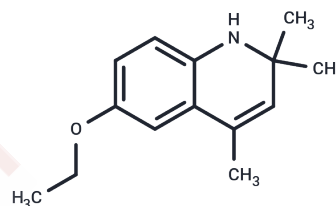


## Ethoxyquin

## Chemical Properties

CAS No. :	91-53-2
Formula:	C <sub>14</sub> H <sub>19</sub> NO
Molecular Weight:	217.31
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	Ethoxyquin (Santoflex) is an antioxidant used in animal feeds.
Targets(IC50)	HSP, Reactive Oxygen Species, ROS

## Solubility Information

Solubility	DMSO: 250 mg/mL (1150.43 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: < 10 mg/mL (46.02 mM), Lower concentrations may be soluble, but exact solubility limit is unknown. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 10 mg/mL (46.02 mM), Solution. <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	4.6017 mL	23.0086 mL	46.0172 mL
5 mM	0.9203 mL	4.6017 mL	9.2034 mL
10 mM	0.4602 mL	2.3009 mL	4.6017 mL
50 mM	0.092 mL	0.4602 mL	0.9203 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

Rubel DM, Freeman S. Australas J Dermatol. 1998 May;39(2):89-91.

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