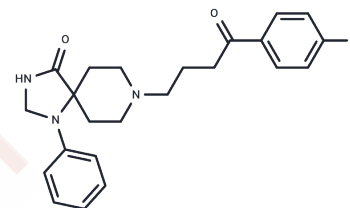


## Spiperone

## Chemical Properties

CAS No. :	749-02-0
Formula:	C <sub>23</sub> H <sub>26</sub> N <sub>3</sub> O <sub>2</sub>
Molecular Weight:	395.47
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	Spiperone (Spiropitan) is a spiro butyrophenone analog similar to HALOPERIDOL and other related compounds. It has been recommended in the treatment of SCHIZOPHRENIA.
Targets(IC50)	5-HT Receptor, Dopamine Receptor, Wnt/beta-catenin

## Solubility Information

Solubility	DMSO: 25 mg/mL (63.22 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: 4 mg/mL (10.11 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	2.5286 mL	12.6432 mL	25.2864 mL
5 mM	0.5057 mL	2.5286 mL	5.0573 mL
10 mM	0.2529 mL	1.2643 mL	2.5286 mL
50 mM	0.0506 mL	0.2529 mL	0.5057 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

Zheng LT, et al. J Neurochem. 2008 Dec;107(5):1225-35.

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