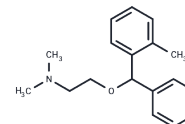
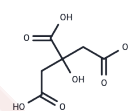


Orphenadrine Citrate

Chemical Properties

CAS No. :	4682-36-4
Formula:	C ₁₈ H ₂₃ NO·C ₆ H ₈ O ₇
Molecular Weight:	461.5
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	Orphenadrine Citrate (Flexon) is a skeletal muscle relaxant, it acts in the central nervous system to produce its muscle relaxant effects.
Targets(IC50)	AChR,iGluR

Solubility Information

Solubility	H ₂ O: < 1 mg/mL (insoluble or slightly soluble), Ethanol: < 1 mg/mL (insoluble or slightly soluble), DMSO: 85 mg/mL (184.18 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 (7.15 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	2.1668 mL	10.8342 mL	21.6685 mL
5 mM	0.4334 mL	2.1668 mL	4.3337 mL
10 mM	0.2167 mL	1.0834 mL	2.1668 mL
50 mM	0.0433 mL	0.2167 mL	0.4334 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

Cheng MH, et al. Front Neurol. 2015 Jun 9;6:134

Yehia AM, et al. Spectrochim Acta A Mol Biomol Spectrosc. 2015 Mar 5;138:21-30.

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